

Service Manual

Portable Stereo CD System

Radio Cassette

*1  DOLBY SYSTEM*2 **MASH**
multi-stage noise shaping
COMPACT
disc
 DIGITAL AUDIO


RX-DT707

Colour

(K) Black Type

Areas

Suffix for Model No.	Area	Colour
(EB)	Great Britain	(K)
(EG)	Europe and Germany	

TAPE DECK: RX-FD55 MECHANISM SERIES (AR300)

TRAVERSE DECK: SL-CH550 MECHANISM SERIES (RAE0111Z)

■ SPECIFICATIONS

General:

Power Requirement: AC; 230~240 V, 50 Hz
 Battery: 15 V (10 R20/LR20, UM-1 batteries)
 Memory Back-up for Computer/Clock;
 6 V (4 R6/LR6, UM-3 batteries)

Power Consumption: 57 W

Power Output: Low ch; 11.6 W×2 (PMPO)
 High ch; 4.2 W×2 (PMPO)

Speaker: Woofer; 10 cm PM Dynamic speaker
 2.7Ω

Squawker Tweeter; 8 cm PM Dynamic speaker 8Ω

Inputs: MIX MIC; 2.5 mV, 200~600Ω, Ø3.5
 AUX; 200 mV, 47 kΩ

Outputs: HEADPHONES; 32Ω, Ø3.5
 CD OUT; 1 V (CD 0 dB)

Dimensions: 710 (W)×205 (H)×263 (D) mm
 (When the top panel is open)
 8.0 kg without batteries

Weight:

Disc Player Section:

Sampling Frequency: 44.1 kHz

Decoding: 16-bit linear

Beam Source: Semiconductor laser
 (wavelength 780 nm)

No. of Channels: 2 channels, stereo

Frequency Response: 20~20,000 Hz (+1, -2 dB)

Wow and Flutter: Unmeasurable

D/A Converter: MASH (1 BIT DAC)

Radio Section:

Frequency Range: FM; 87.5~108 MHz

LW; 144~288 kHz

MW; 522~1611 kHz

Intermediate Frequency: FM; 10.7 MHz

AM (LW/MW); 459 kHz

FM; 5 μV/0.1 mW output

(-3 dB Limit Sens.)

LW; 100 μV/m/0.1 mW output (Max.)

MW; 56.3 μV/m/0.1 mW output (Max.)

Tape Deck Section:

Frequency Range: 30~16,000 Hz (with normal tape)

30~17,000 Hz (with CrO tape)

30~18,000 Hz (with METAL tape)

Recording System: AC bias, AC erase (Deck2)

Tape Speed: 4.8 cm/sec.

Monitor System: Variable sound monitor

Track System: 4-track 2-channel stereo recording and playback

*1 **Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.**

"Dolby" and the double-D symbol are trade marks of Dolby Laboratories Licensing Corporation.

*2 **Technics (or Panasonic) developed the world's first MASH type DAC and ADC. MASH technology was invented by NTT (LSI Labs).**

MASH is a trademark of NTT.

Notes:

1. Weights and dimensions shown are approximate.

2. Design and specifications are subject to change without notice.

Panasonic

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PRECAUTION OF LASER DIODE

CAUTION: This product utilizes a laser diode with the unit turned "on", invisible laser radiation is emitted from the pick up lens.
Wave length: 780 nm
Maximum output radiation power from pick up: 100 μW/VDE

Laser radiation from the pick up unit is safety level, but be sure the followings:

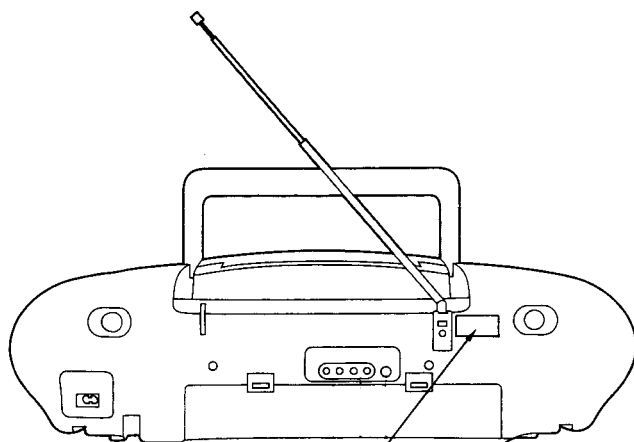
1. Do not disassemble the optical pick up unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pick up lens for a long time.

ACHTUNG: Dieses produkt enthält eine laserdioden. Im eingeschalteten zustand wird unsichtbare laserstrahlung von der lasereinheit abgestrahlt.

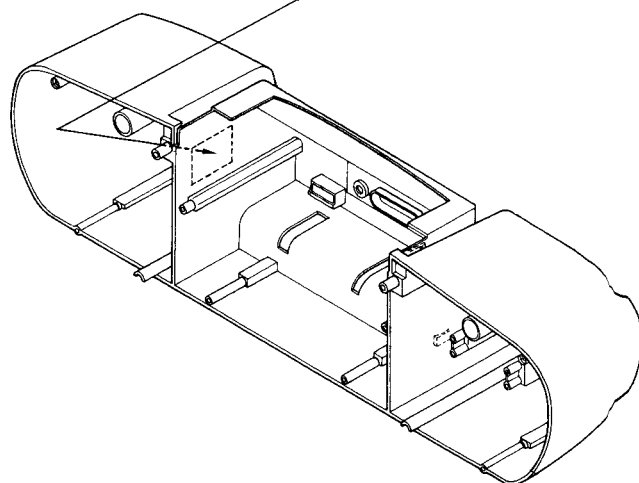
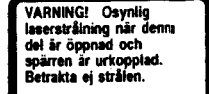
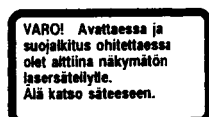
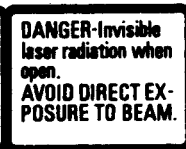
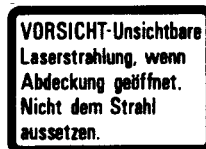
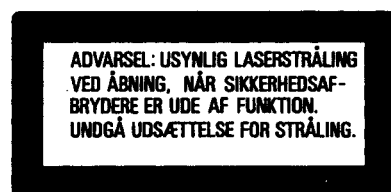
Wellenlänge: 780 nm
Maximale strahlungsleistung der lasereinheit: 100 μW/VDE

Die strahlung an der lasereinheit ist ungefährlich, wenn folgende punkte beachtet werden:

1. Die lasereinheit nicht zerlegen, da die strahlung an der freigelegten laserdioden gefährlich ist.
2. Den werksseitig justierten einstellregler der lasereinheit nicht verstellen.
3. Nicht mit optischen instrumenten in die fokussierlinse blicken.
4. Nicht über längere zeit in die fokussierlinse blicken.



LUOKAN 1 LASERLAITE
KLASS 1 LASER APPARAT



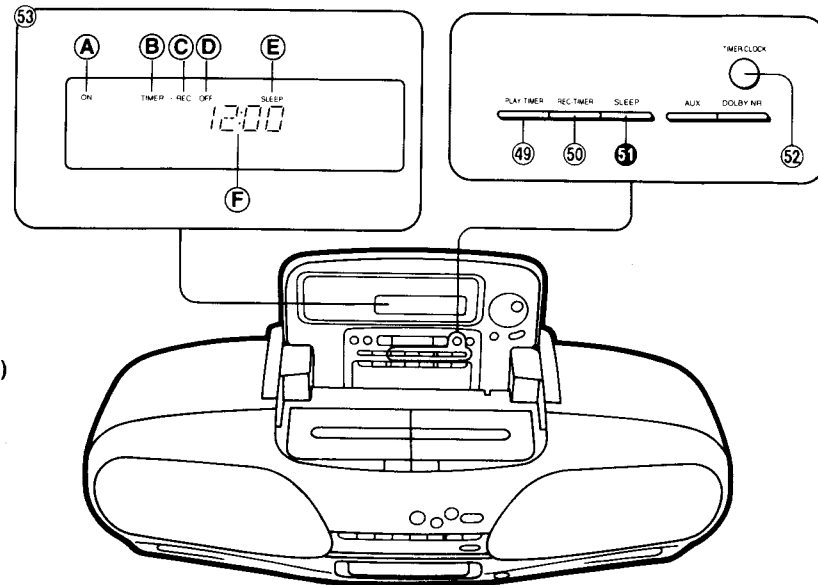
The functions indicated by the numbers with black back ground (for example 8) can also be activated from the remote control transmitter. (See page 5.)

Diagram of the Pioneer CD-5 car stereo control panel with numbered callouts 1 through 30. The diagram includes a top section with numbered callouts 1-15 for various controls like tuning, preset, and volume. A middle section shows a digital display with callouts A-I. The bottom section shows the main control panel with callouts 16-30 for buttons like 'OPERATION', 'TAPES', 'BAND', 'CD', and 'CD OPEN/CLOSE'.

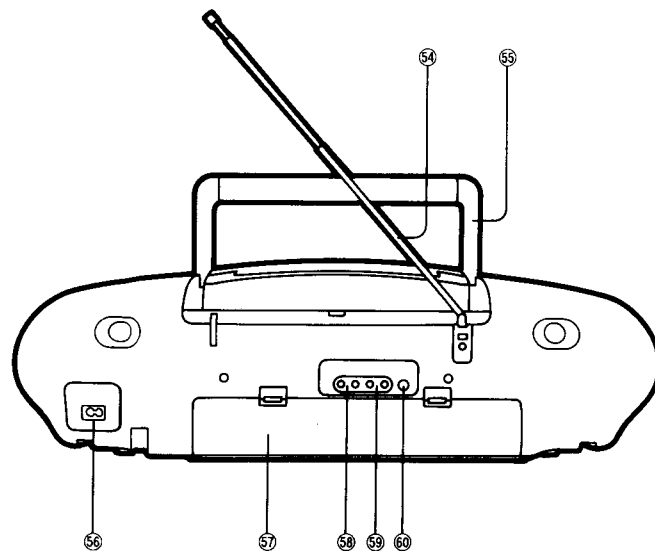
-
- The diagram shows a car stereo control panel with the following numbered callouts:
- 34** Edit recording buttons (ONE TOUCH EDIT)
 - 35** Deck 1/2 selector (DECK 1/2)
 - 36** Reverse mode select button (REV MODE)
 - 37** Counter reset button (COUNT RESET)
 - 38** Rec-pause button (● II)
 - 39** Dolby NR button (DOLBY NR)
 - 40** Deck 1 cassette eject button (▲ EJECT)
 - 41** Deck 1 cassette compartment cover
 - 42** Deck 2 cassette compartment cover
 - 43** Deck 2 cassette eject button (▲ EJECT)
 - 44** Fast/tape program sensor buttons (<< TS >>)
 - 45** Tape mode/stop button (TAPE/□)
 - 46** Reverse-side playback button (<)
 - 47** Forward-side playback button (>)
 - 48** Display section
 - A:** Tape mode indicator (TAPE)
 - B:** Tape counter
 - C:** Running indicator
 - D:** Deck 1/2 indicators (DECK 1 DECK 2)
 - E:** Reverse mode indicator (◀ ▶)
 - F:** Dolby NR indicator (DOLBY NR)
 - G:** Recording indicator (REC)
 - H:** Tape direction indicators (<< >>)

●TIMER CONTROLS

- ④⑨ **Timer play button (PLAY-TIMER)**
Press this button for timer play.
- ⑤⑩ **Timer recording button (REC-TIMER)**
Press this button for timer recording.
- ⑤① **Sleep button (SLEEP)**
Press this button when you wish to fall asleep while listening to music.
- ⑤② **Timer clock button (TIMER/CLOCK)**
- ⑤③ **Display section**
A: Timer ON indicator (ON)
B: Timer play indicator (TIMER)
C: Timer recording indicator (TIMER-REC)
D: Timer OFF indicator (OFF)
E: Sleep timer indicator (SLEEP)
F: Time display



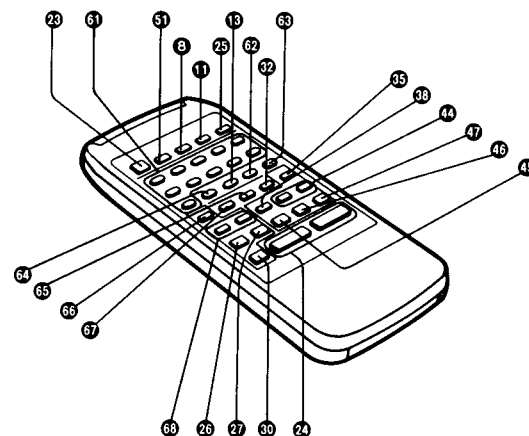
●REAR PANEL SECTION



- ⑤④ Telescopic antenna
- ⑤⑤ Handle
- ⑤⑥ AC socket (AC IN~)
- ⑤⑦ Battery compartment cover
- ⑤⑧ Aux input jacks (AUX IN) (200 mV, 4.7 kΩ)
- ⑤⑨ CD output jacks (CD OUT) (1 V, CD 0 dB)
- ⑥⑩ Mixing microphone jack (MIX MIC) (Ø3.5, 200~600Ω)

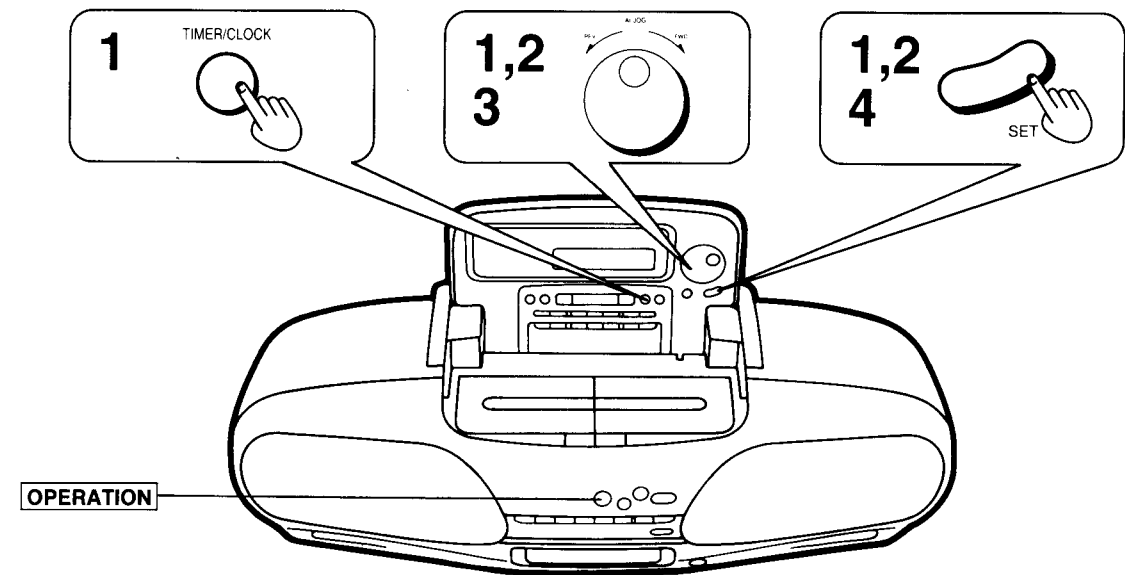
- ⑥⑦ **Display button (DISPLAY)**
Press this button when you wish to confirm the present time while listening to CD, radio and tape.
- ⑥⑧ **Skip/search buttons (◀◀/▶▶, ▶▶/▶▶)**
Press one of these buttons to skip (backward or forward) the tracks, or to search (backward or forward) the desired portion of the disc.

●REMOTE CONTROL OPERATION



- ⑥① **Numeric buttons (1-10/0, +10)**
These buttons are used to specify the CD's track (1-10, +10), and select the preset memory channel of the tuner (1-10).
- ⑥② **Random button (RANDOM)**
Press this button to let the microcomputer make a random selection of the sequence.
- ⑥③ **Repeat button (REPEAT)**
Press this button to activate the repeat mode. The repeat indicator will appear.
- ⑥④ **Program button (PROGRAM)**
Press this button for CD program-play and for preset memory of the tuner.
- ⑥⑤ **FM mode/beat proof button (FM MODE/B.P)**
The functions of this button change according to the selected radio band.
MW/LW: Beat proof (for recording from the MW/LW radio)
FM: MONO/STEREO
- ⑥⑥ **Pause button (II)**
Press this button to stop the disc temporarily.

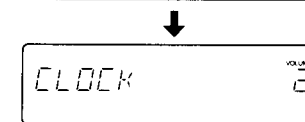
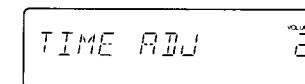
■ TIME ADJUSTING



Before operation, press the operation switch to turn on the unit.

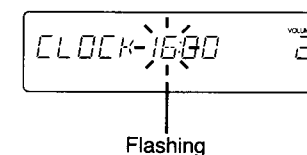
For example:
To set the time at 16:20.

- 1 Press the timer/clock button, and then turn the jog dial to select the "CLOCK" mode.
The display will change to "P-TIMER"-"R-TIMER"-"SLEEP"-"CLOCK".



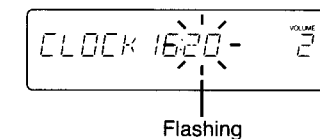
Press the SET button.

- 2 Turn the jog dial to adjust the correct hour display.
FWD: Increase.
REV: Decrease.



Press the SET button.

- 3 Turn the jog dial to adjust the correct minute display.
Note that the minute "00" display appears following "59", but the hour display is not changed.



- 4 Press the SET button to finish setting the time.
The display will change to the previous display.

When the SET button is pressed, the clock is reset to "0" second.
When a wrong operation occurs while operations of steps 1-3, press the cancel button, then the unit is returned to the previous mode.

HANDLING PRECAUTIONS FOR TRAVERSE DECK

The laser diode in the traverse deck (optical pickup) may break down due to potential difference caused by static electricity of clothes or human body.

So, be careful of electrostatic breakdown during repair of the traverse deck (optical pickup).

•Handling of traverse deck (optical pickup)

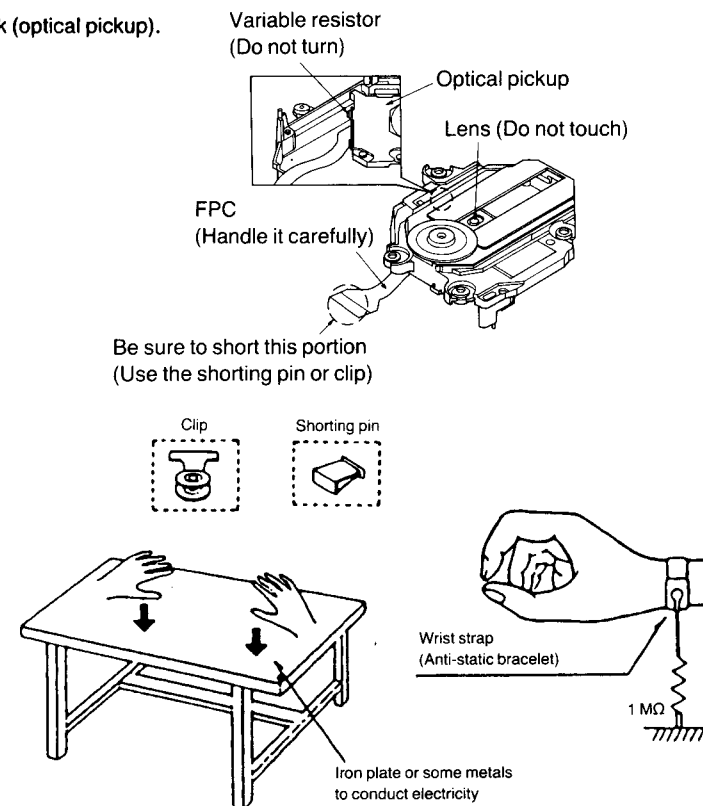
1. Do not subject the traverse deck (optical pickup) to static electricity as it is extremely sensitive to electrical shock.
2. To prevent the breakdown of the laser diode, an anti-static shorting pin is inserted into the flexible board (FPC board). When removing or connecting the short pin, finish the job in as short time as possible.
3. Take care not to apply excessive stress to the flexible board (FPC board).
4. Do not turn the variable resistor (laser power adjustment). It has already been adjusted.

•Grounding for electrostatic breakdown prevention

1. Human body grounding
Use the anti-static wrist strap to discharge the static electricity from your body.
2. Work table grounding
Put a conductive material (sheet) or steel sheet on the area where the traverse deck (optical pickup) is placed, and ground the sheet.

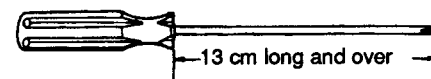
Caution:

The static electricity of your clothes will not be grounded through the wrist strap. So, take care not to let your clothes touch the traverse deck (optical pickup).

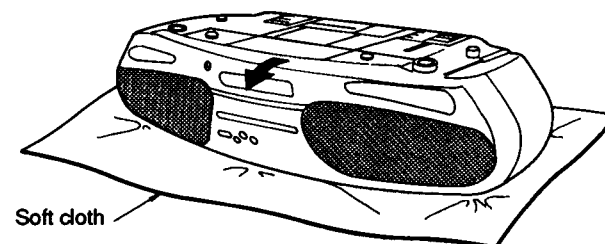


DISASSEMBLY INSTRUCTIONS

- Use a phillips screwdriver whose blade is 13 cm long and over to remove screws fixing the rear cabinet.



- Be sure to place the unit on soft cloth or similar material to prevent scratches when disassembling it.



Ref. No. 1	Removal of the Handle
Procedure 1	

1. Remove 2 screws (1, 2).
2. Slide out the handle in the direction of the arrow.

Ref. No. 2	Removal of the Front Cabinet
Procedure 1→2	

1. Remove the battery cover.
2. Remove 6 screws (1-6).

Notes:

1. Note that the two claws (shown in the right figure) hook the front cabinet when removing the front cabinet.
2. Be careful not to bend pins of the speaker output connector (CP605).

3. Remove the front cabinet.

Speaker output connector (CP605)

Claw

Claw

Ref. No. 3	Removal of the Operation P.C.B.
Procedure 1→2→3	

1. Release 5 claws.
2. Remove the operation button.

Claws

Operation button

Claws

3. Remove 2 screws (1, 2).

4. Remove 2 claws in the direction of arrow 1.

5. Remove the operation P.C.B. in the direction of arrow 2.

Ref. No. 4	Removal of the Main Unit
Procedure 1→2→4	

1. Release the connector (CP650).
2. Remove 2 screws (1, 2).

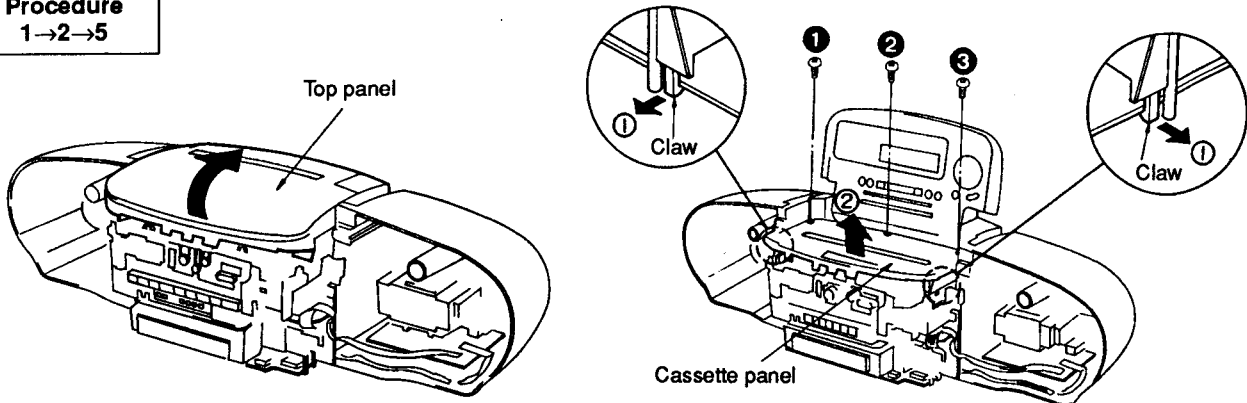
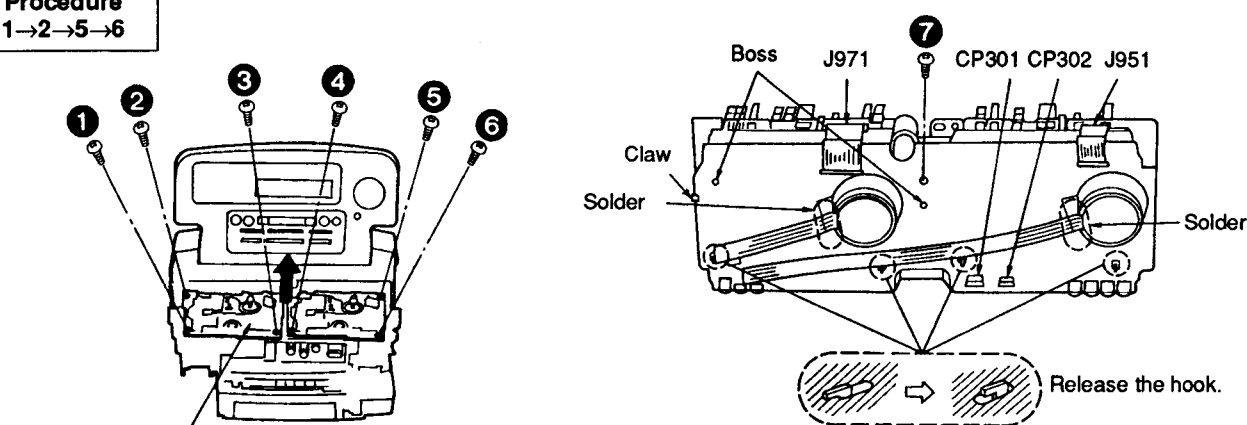
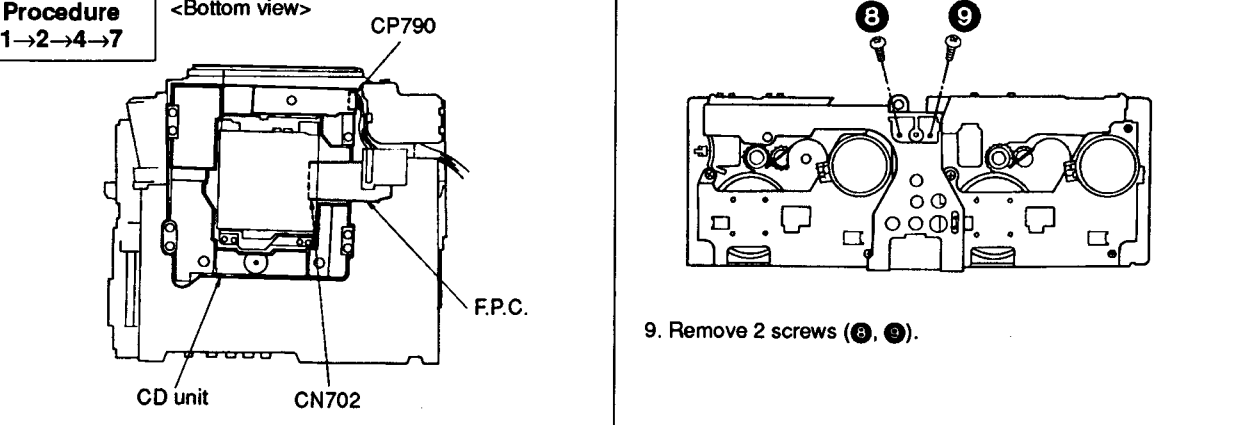
CP650

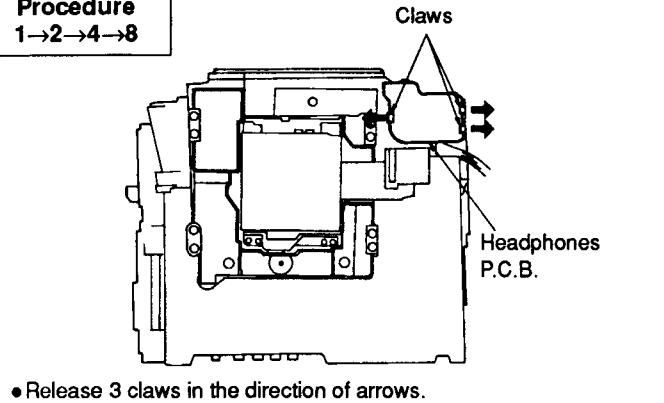
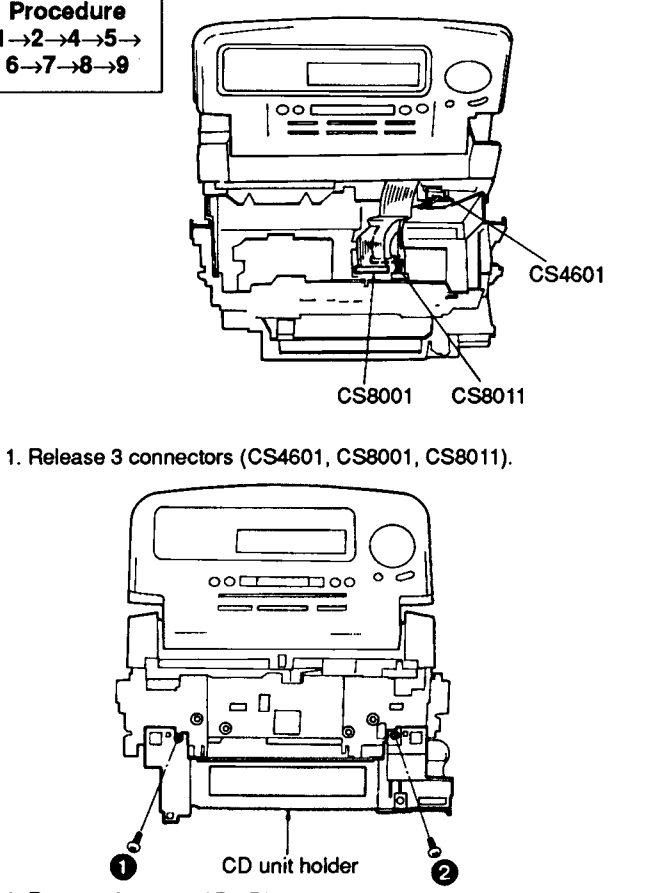
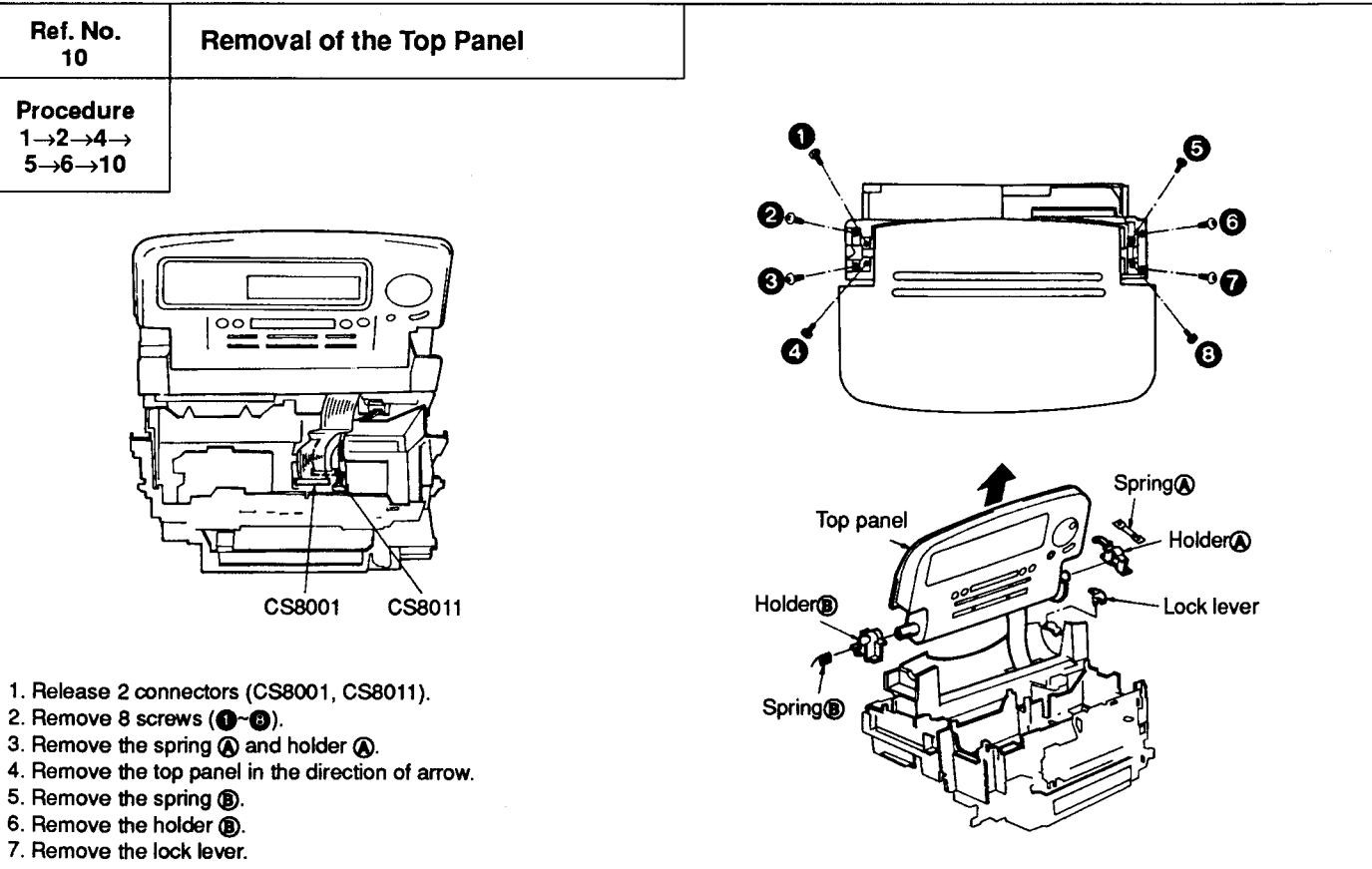
Note: Hold the CD unit so as not to slip it down.

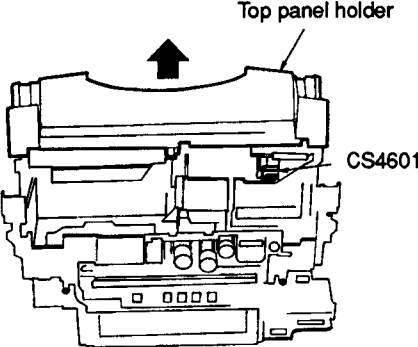
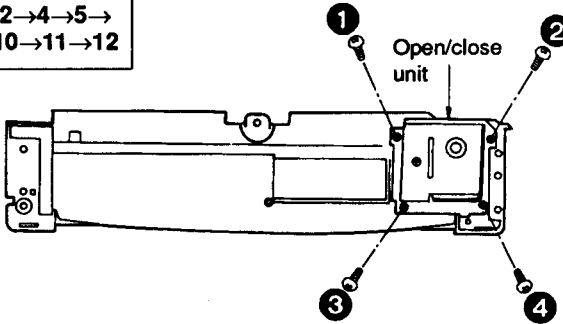
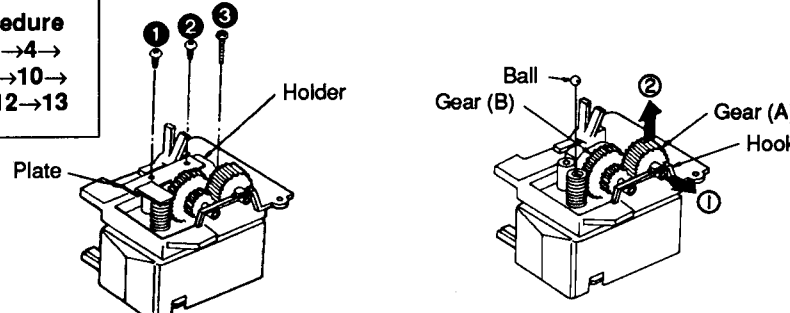
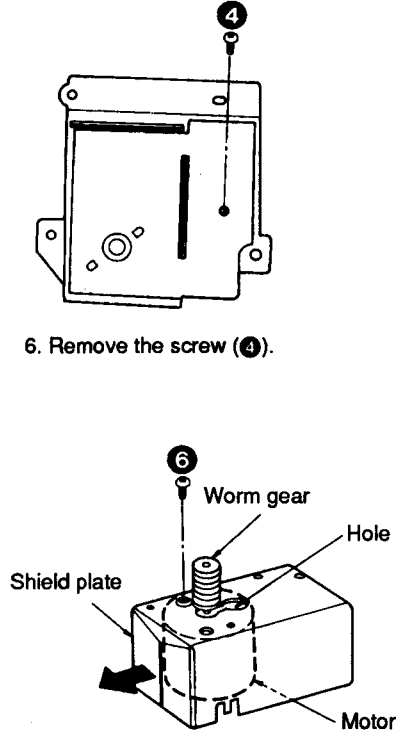
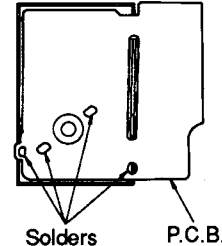
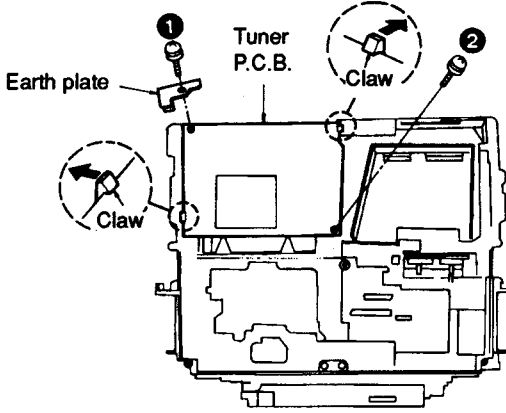
CD unit

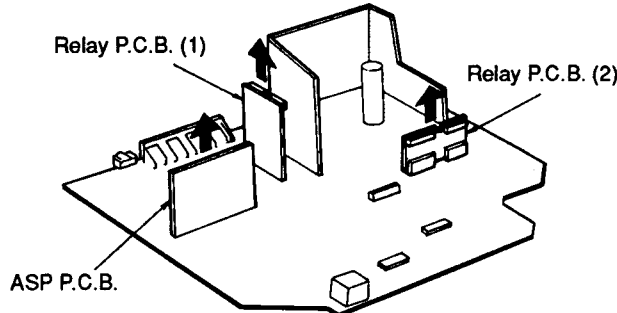
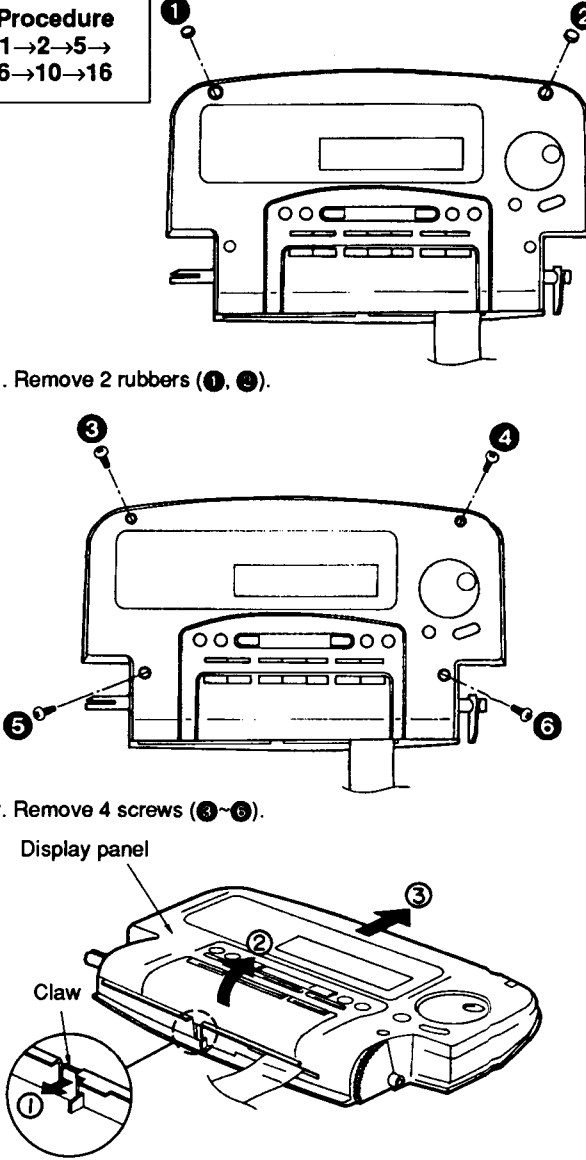
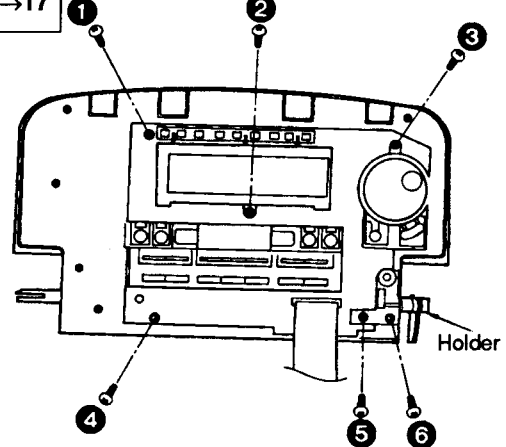
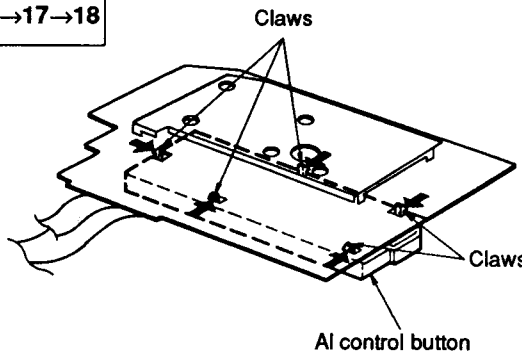
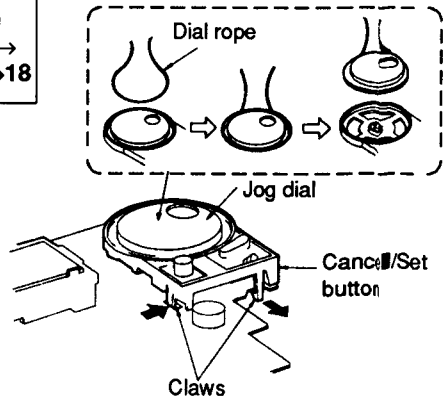
Main unit

3. Since the CD unit is not mounted on the main unit, be sure to hold the CD unit so as not to slip it down and remove it from rear cabinet as shown above.

Ref. No. 5	Removal of the Cassette Panel
Procedure 1→2→5	 <p>1. Open the top panel.</p> <p>2. Remove 3 screws (1-3).</p> <p>3. Release 2 claws in the direction of arrow 1.</p> <p>4. Remove the cassette panel in the direction of arrow 2.</p>
Ref. No. 6	Removal of the Mechanism Unit
Procedure 1→2→5→6	 <p>1. Remove 6 screws (1-6).</p> <p>2. Remove the mechanism unit.</p> <p>3. Release 4 connectors (J951, J971, CP301, CP302).</p> <p>4. Resolder 2 solders.</p> <p>5. Remove the screw (7).</p> <p>6. Release the claw.</p> <p>7. Release 2 bosses.</p> <p>8. Release 4 hooks.</p>
Ref. No. 7	Removal of the CD Unit
Procedure 1→2→4→7	<p><Bottom view></p>  <p>1. Release the connector (CP790).</p> <p>2. Release the connector (CN702).</p> <p>3. Remove the CD unit.</p> <p>9. Remove 2 screws (8, 9).</p>

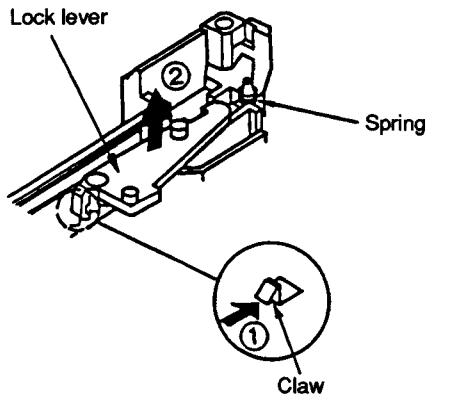
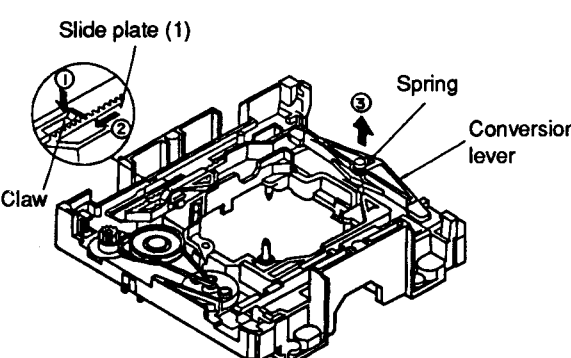
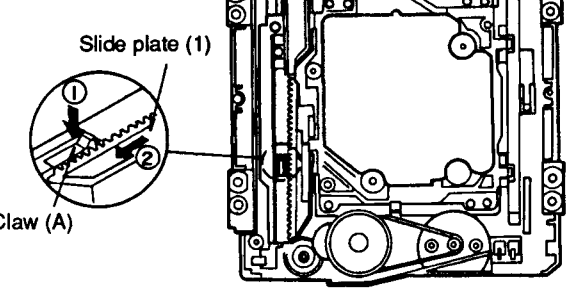
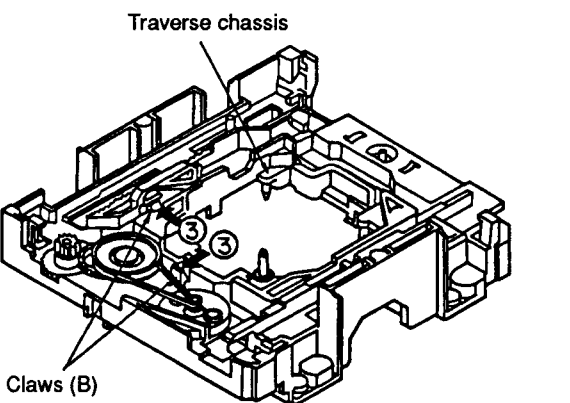
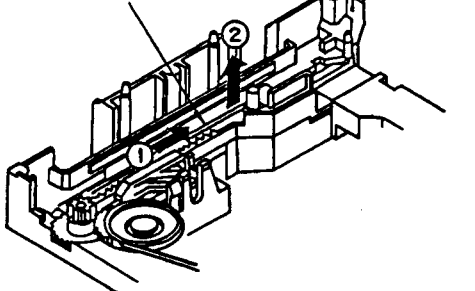
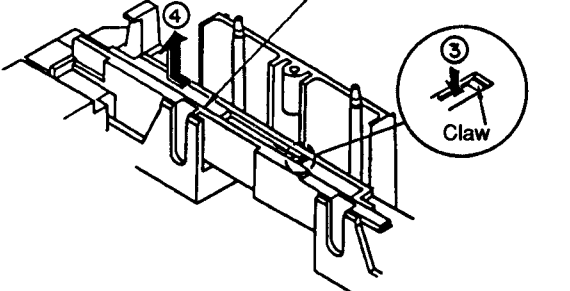
Ref. No. 8	Removal of the Headphones P.C.B.
Procedure 1→2→4→8	 <p>• Release 3 claws in the direction of arrows.</p>
Ref. No. 9	Removal of the Main P.C.B.
Procedure 1→2→4→5→ 6→7→8→9	 <p>1. Release 3 connectors (CS4601, CS8001, CS8011).</p> <p>2. Remove 2 screws (1, 2).</p> <p>3. Remove the CD unit holder.</p>
Ref. No. 10	Removal of the Top Panel
Procedure 1→2→4→ 5→6→10	 <p>1. Release 2 connectors (CS8001, CS8011).</p> <p>2. Remove 8 screws (1-8).</p> <p>3. Remove the spring A and holder A.</p> <p>4. Remove the top panel in the direction of arrow.</p> <p>5. Remove the spring B.</p> <p>6. Remove the holder B.</p> <p>7. Remove the lock lever.</p>

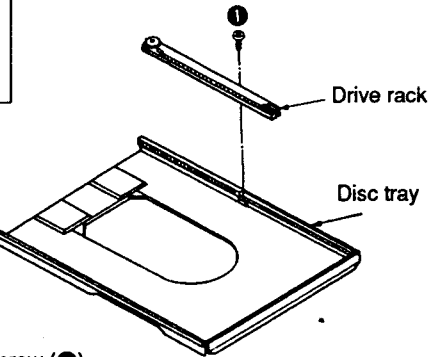
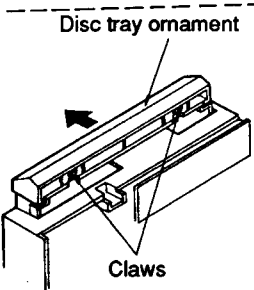
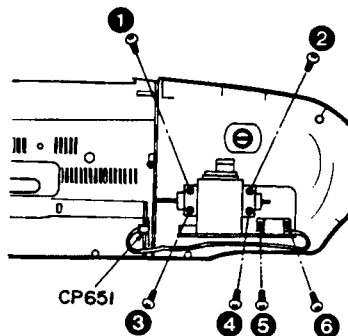
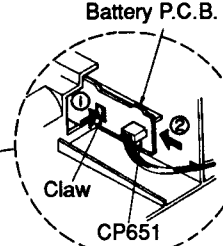
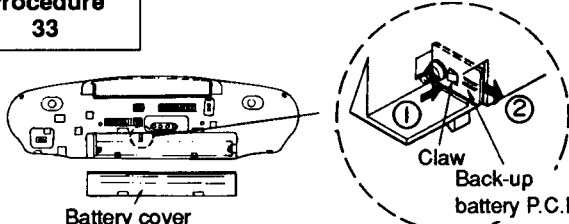
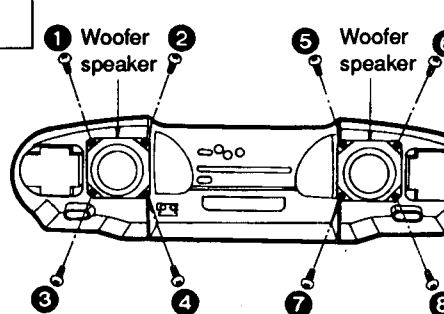
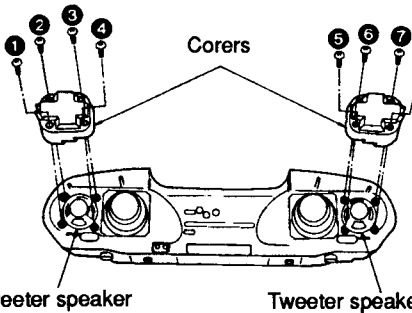
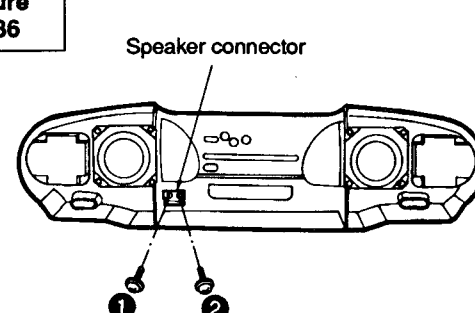
Ref. No. 11	Removal of the Top Panel Holder	Ref. No. 12	Removal of the Open/Close Unit
Procedure 1→2→4→ 5→6→10→11	 <p>1. Release the connector (CS4601). 2. Remove the top panel holder in the direction of arrow.</p>	Procedure 1→2→4→5→ 6→10→11→12	 <p>• Remove 4 screws (1~4).</p>
Ref. No. 13	Disassemble of the Open/Close Unit		
Procedure 1→2→4→ 5→6→10→ 11→12→13	 <p>1. Remove 3 screws (1~3). 2. Remove the holder and plate.</p> <p>3. Remove the ball. 4. Release the hook in the direction of arrow ① and remove the gear (A) in the direction of the arrow ②. 5. Remove the gear (B).</p>	 <p>6. Remove the screw (4).</p> <p>11. Remove the screw (6). 12. Remove the shield plate in the direction of the arrow ③.</p>	 <p>7. Remove the screw (5). 8. Remove the chassis.</p> <p>9. Resolder 4 solders. 10. Remove the P.C.B.</p>
Ref. No. 14	Removal of the Tuner P.C.B.		
Procedure 1→2→4→5→ 6→10→11→14	 <p>1. Remove 2 screws (1, 2). 2. Remove the earth plate. 3. Release 2 claws in the direction of arrow.</p>		

Ref. No. 15	Removal of the ASP P.C.B. and Relay P.C.B.	Ref. No. 16	Removal of the Display Panel
Procedure 1→2→4→ 7→8→9→15	 <p>• Pull out 3 P.C.B.s in the direction of the arrow.</p>	Procedure 1→2→5→ 6→10→16	 <p>1. Remove 2 rubbers (1, 2).</p> <p>2. Remove 4 screws (3~6).</p> <p>3. Press the claw in the direction of arrow ① and then remove the display panel in the direction of arrow ②. 4. Slide the display panel in the direction of arrow ③.</p>
Ref. No. 17	Removal of the LCD P.C.B.		
Procedure 1→2→5→ 6→10→16→17	 <p>1. Remove 6 screws (1~6). 2. Remove the holder.</p>		
Ref. No. 18	Removal of the AL Control Button	Ref. No. 19	Removal of the AL Jog Dial and Cancel/Set Button
Procedure 1→2→5→6→ 10→16→17→18	 <p>• Release 5 claws in the direction of arrows.</p>	Procedure 1→2→5→6→ 10→16→17→18	 <p>1. Remove the jog dial. 2. Release 2 claws in the direction of arrows.</p>

Ref. No. 20	Removal of the Disc Clamper
Procedure 1→2→4 →7→20	<p>• Disassembly of the disc clasper</p> <p>1. Release 3 claws in the direction of arrows. 2. Disassemble the disc clasper as shown above.</p> <p>• Remove 3 screws (1-3).</p>
Ref. No. 21	Removal of the Disc Tray
Procedure 1→2→4 7→20→21	<p>1. Slide the lever fully in the direction of arrow ①. (The traverse unit goes down.)</p> <p>2. Move the disc tray slightly in the direction of arrow ② and unfasten the claw and the rib. 3. Remove 2 screws (1, 2).</p> <p>4. Lift the disc tray in the direction of arrow ③. 5. Unfasten the rib from the claw of the chassis.</p> <p>6. Remove the screw (3). 7. Remove the slider and the shaft.</p>

Ref. No. 22	Removal of the CD P.C.B.
Procedure 1→2→4 →7→22	<p>• Removal of the flexible cable</p> <p>1. Remove the 3 screws (1-3). 2. Unsolder the 2 terminals of spindle motor. 3. Unsolder the 2 terminals of traverse motor.</p> <p>4. Remove the flexible cable (CN701).</p> <p>Note: Insert a short pin into the flexible cable for traverse unit.</p>
Ref. No. 23	Removal of the Loading Motor P.C.B. and Loading Motor
Procedure 1→2→4→7 →20→21→23	<p>1. Remove the belt. 2. Remove the 2 screws (1, 2).</p> <p>3. Remove the screw (3). 4. Unsolder the 2 terminals of loading motor.</p>
Ref. No. 24	Removal of the Traverse Unit
Procedure 1→2→4→7 →22→24	<p>1. Widen 3 bosses by using a screwdriver and remove 3 pins.</p> <p>2. Release the claw and then remove the traverse unit in the direction of arrow.</p>

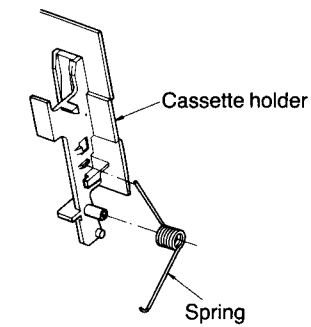
Ref. No. 25	Removal of the Lock Lever	Ref. No. 26	Removal of the Conversion Lever
Procedure 1→2→4→7→ 22→24→25	 <p>1. Remove the spring. 2. Release the claw in the direction of the arrow ①, and then remove the lock lever in the direction of arrow ②.</p>	Procedure 1→2→4→7→ 22→24→25→26	<p>1. Remove the spring. 2. Push the claw in the direction of arrow ①, and then move the slide plate (1) in the direction of arrow ②. 3. Remove the conversion lever in the direction of arrow ③.</p> 
Ref. No. 27	Removal of the Traverse Chassis		
Procedure 1→2→4→7→ 22→24→25→ 26→27	 <p>1. Push the claw (A) in the direction of arrow ①, and then move the slide plate (1) in the direction of arrow ②.</p>		 <p>2. Push 2 claws (B) in the direction of arrow ③, and then remove the traverse chassis.</p>
Ref. No. 28	Removal of the Slide Plate (1) and Slide Plate (2)		
Procedure 1→2→4→7→ 22→24→25→ 26→27→28	 <p>■ Removal of the Slide Plate (1)</p> <p>• Move the slide plate (1) in the direction of the arrow ①, and remove the slide plate (1) in the direction of the arrow ②.</p>		 <p>■ Removal of the Slide Plate (2)</p> <p>• Push the claw in the direction of the arrow ③, and remove the slide plate (2) in the direction of the arrow ④.</p>

Ref. No. 29	Removal of the Drive Rack	Ref. No. 30	Removal of the Disc Tray Ornament
Procedure 1→2→4→7→ 20→21→29	 <p>• Remove the screw (①).</p>	Procedure 1→2→30	 <p>• Remove the disc tray in the direction of arrow by keeping the 2 claws pressed.</p>
Ref. No. 31	Removal of the Power P.C.B.	Ref. No. 32	Removal of the Battery P.C.B.
Procedure 1→2→4→31	 <p>1. Release the connector (CP651). 2. Remove 6 screws (①~⑥).</p>	Procedure 1→2→4→32	 <p>1. Remove the connector (CP651). 2. Remove the battery P.C.B. in the direction of arrow ② by keeping the claw pressed in the direction of arrow ①.</p>
Ref. No. 33	Removal of the Back-up Battery P.C.B.	Ref. No. 34	Removal of the Woofer Speaker
Procedure 33	 <p>1. Remove the battery cover. 2. Remove the back-up battery P.C.B. in the direction of arrow ② by keeping the claw pressed in the direction of arrow ①.</p>	Procedure 1→2→34	 <p>• Remove 8 screws (①~⑧).</p>
Ref. No. 35	Removal of the Tweeter Speaker	Ref. No. 36	Removal of the Speaker Connector
Procedure 1→2→35	 <p>1. Remove 8 screws (①~⑧). 2. Remove 2 covers.</p>	Procedure 1→2→36	 <p>• Remove 2 screws (①, ②).</p>

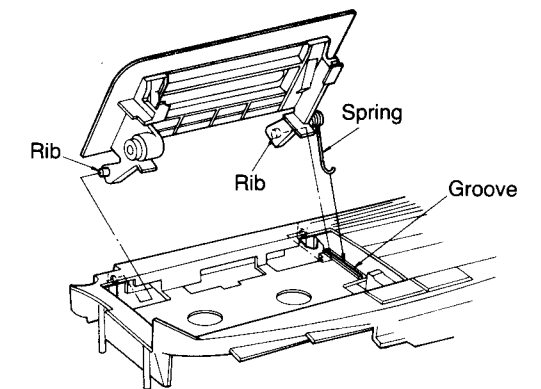
Ref. No. 37	Removal of the Cassette Holder	
Procedure 1→2→5→37	<p>Cassette holder (DECK 2)</p> <p>Cassette holder (DECK 1)</p> <p>Eject buttons</p> <p>Ribs</p> <p>Ribs</p> <p>1. Press the eject button and then open the cassette holder</p> <p>2. Remove the cassette holder by keeping the 4 ribs pressed in the direction of arrow.</p>	
Ref. No. 38	Removal of the Eject Lever, Eject Button and Eject Rod	
Procedure 1→2→5→38	<p>Cassette holder (DECK 2)</p> <p>Cassette holder (DECK 1)</p> <p>Eject buttons</p> <p>Eject lever (DECK 2)</p> <p>Eject lever (DECK 1)</p> <p>Eject spring (DECK 2)</p> <p>Eject spring (DECK 1)</p> <p>Eject button</p> <p>Illustration of DECK 1</p> <p>Claws</p> <p>Groove</p> <p>Illustration of DECK 1</p> <p>1. Press the eject button to open the cassette holder (DECK 1 and DECK 2).</p> <p>2. Remove the eject spring.</p> <p>3. Remove the eject lever in the direction of arrow.</p> <p>4. Remove the eject button in the direction of arrow.</p> <p>5. Fit 2 claws into the groove of the eject rod.</p> <p>6. Remove the eject rod in the direction of arrow.</p>	

NOTE:
Please refer to pages 10-13 in the service manual for Model No. SL-CH550 (Order No.AD9208264C8) for information on "INSTALLING SERVO (CD) P.C.B.", "INSTALLING OF GUIDE SHAFT", "CD UNIT ASSEMBLY", "INSTALLING DISC TRAY UNIT" and "INSTALLING DISC TRAY".

•INSTALLATION OF CASSETTE HOLDER



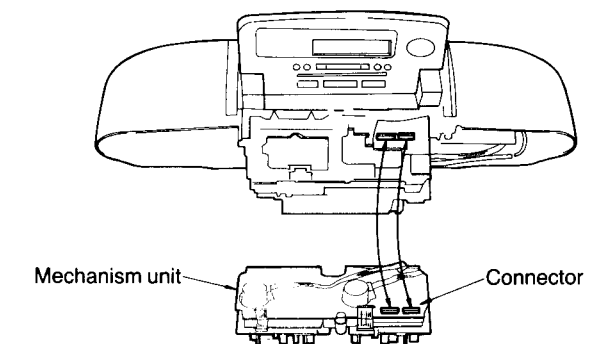
1. Install the spring of the cassette holder.



2. Fit the spring of the cassette holder into the groove.
3. Fix the rib.

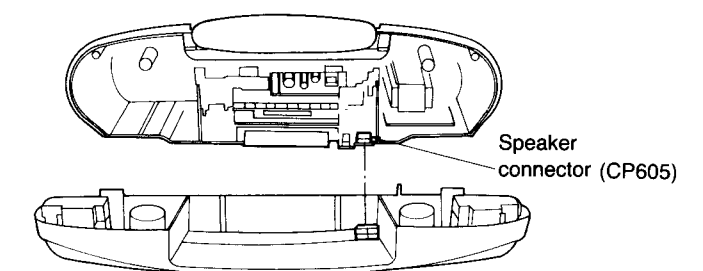
•INSTALLATION OF MECHANISM UNIT

•Install the mechanism unit by connecting the connectors correctly.



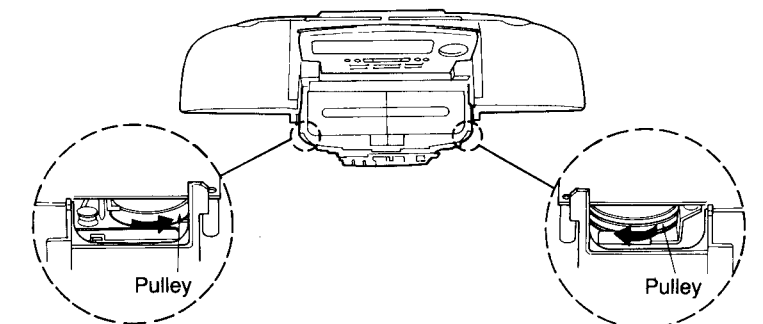
•INSTALLATION OF FRONT PANEL

•Install the front panel by connecting the speaker connector correctly.

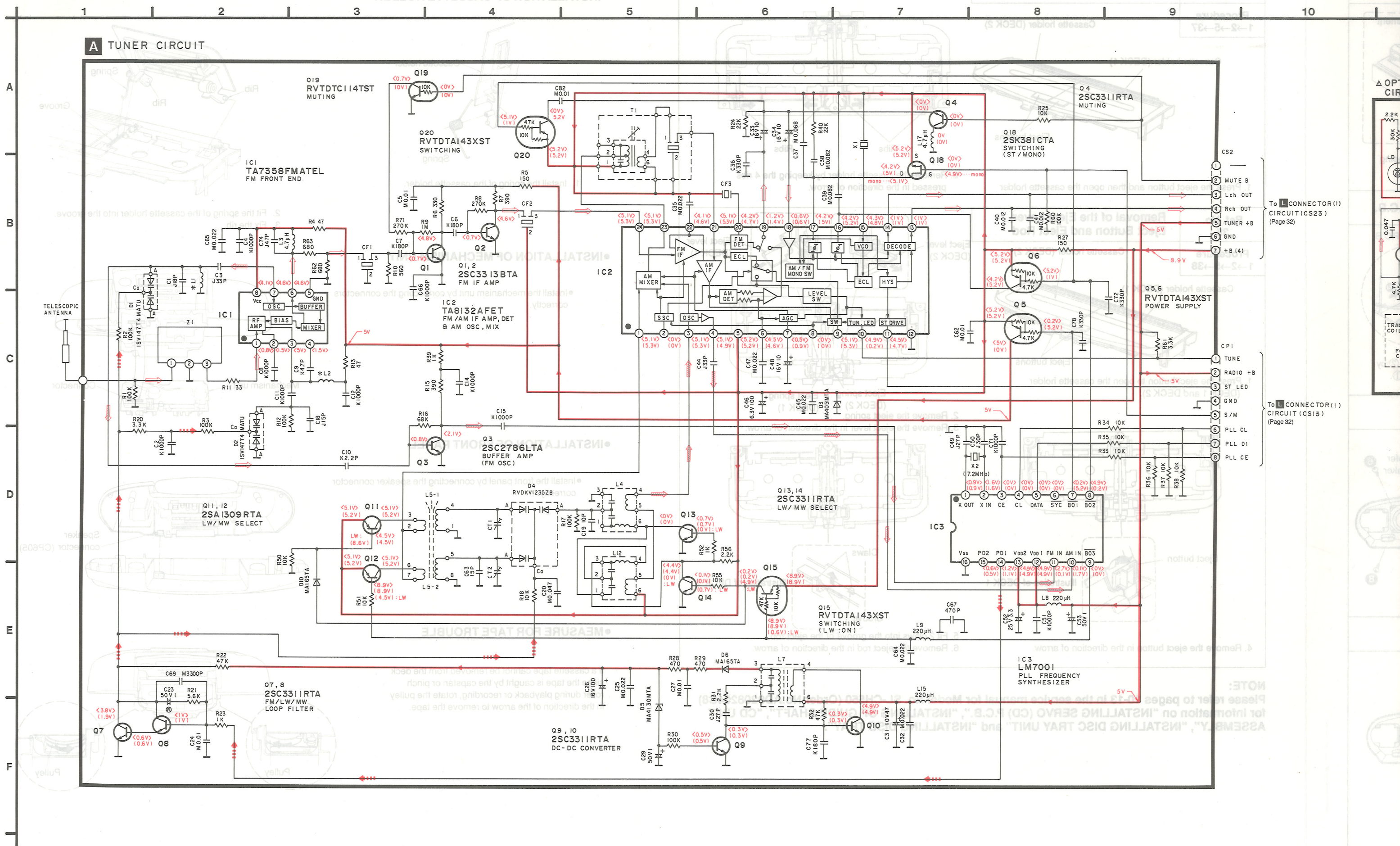


•MEASURE FOR TAPE TROUBLE

If a cassette tape cannot be removed from the deck since the tape is caught by the capstan or pinch roller during playback or recording, rotate the pulley in the direction of the arrow to remove the tape.



■ SCHEMATIC DIAGRAM • TUNER AND CD CIRCUIT (Parts list on pages 69~77.)

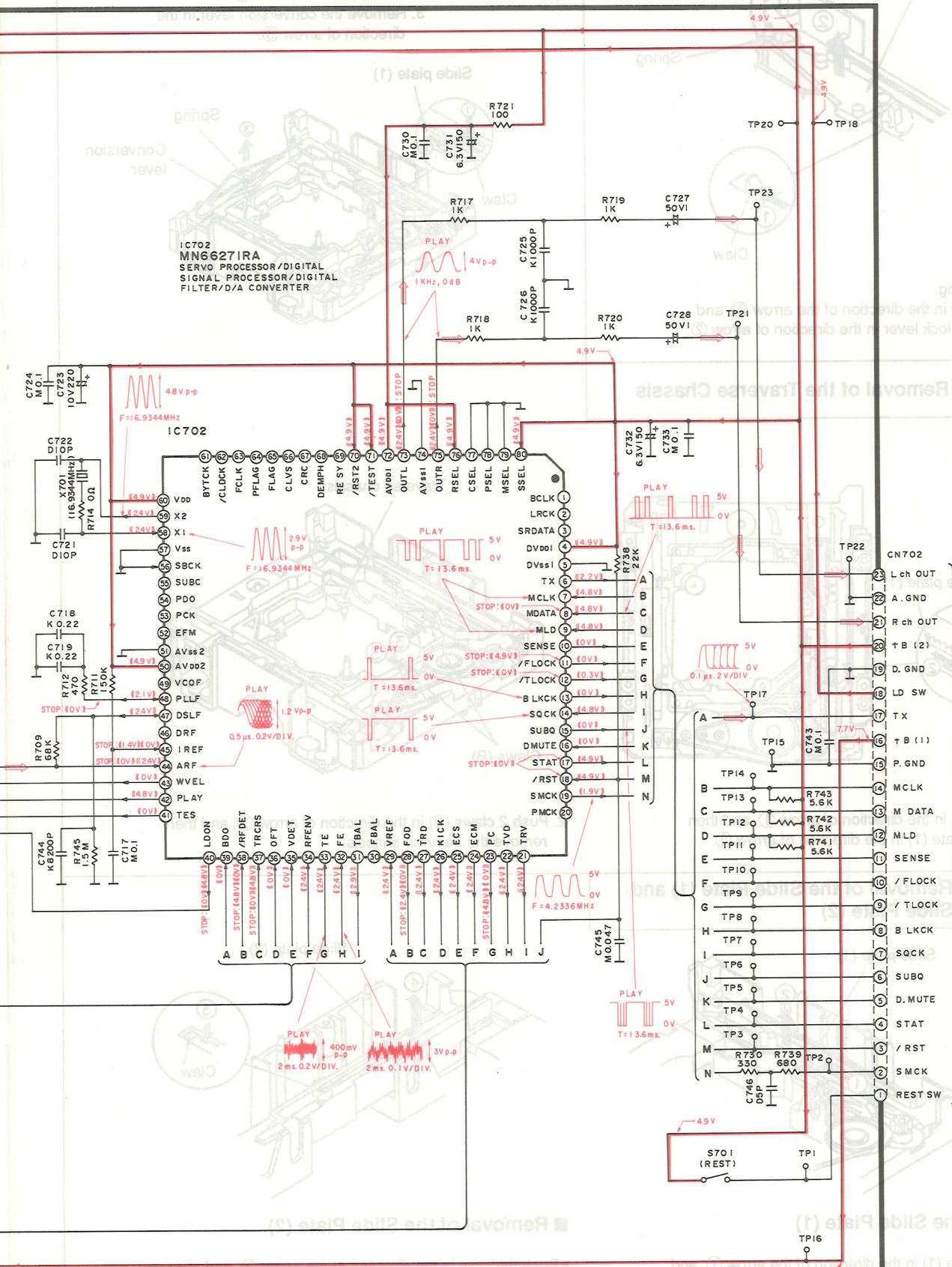
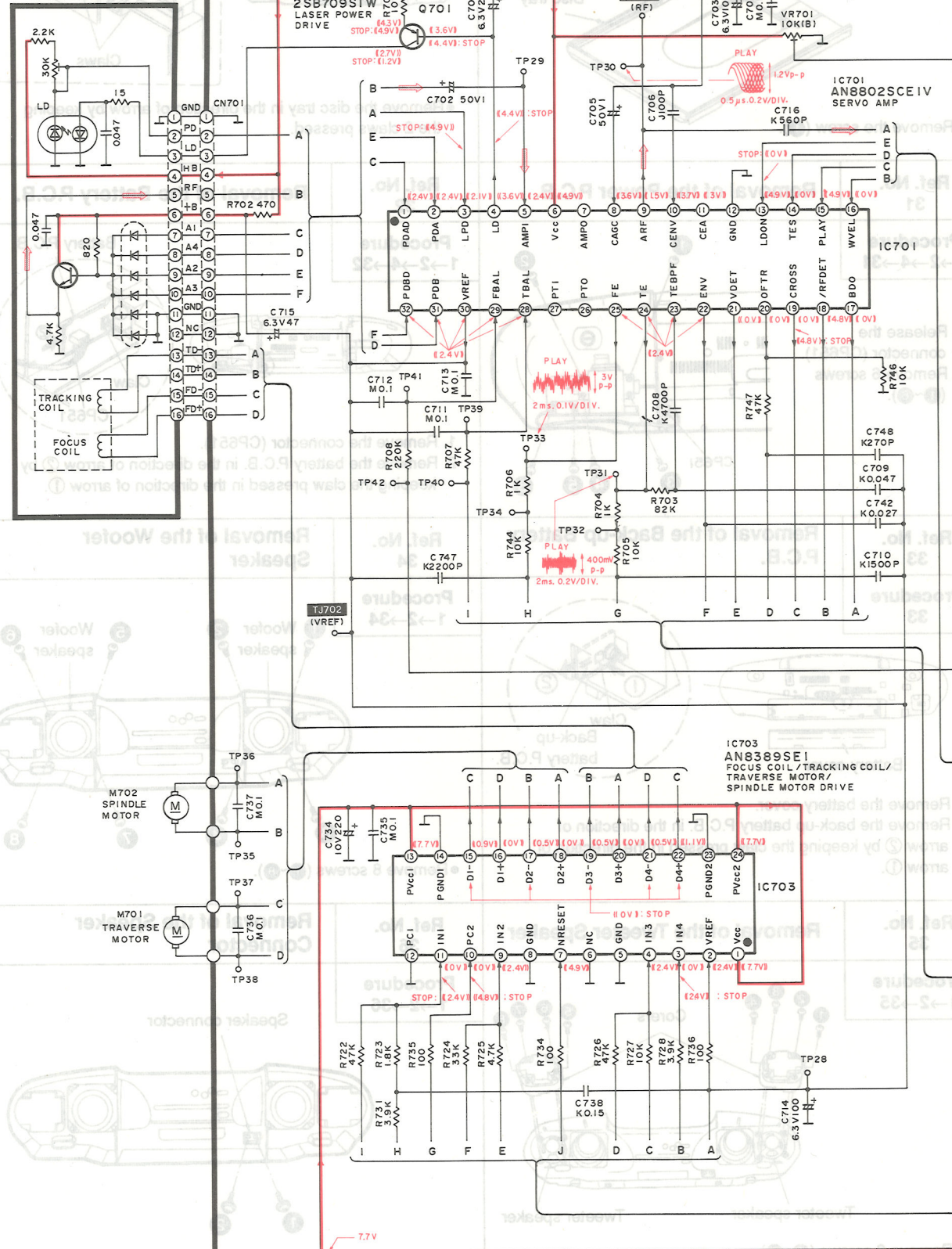


B CD CIRCUIT

A OPTICAL PICK UP CIRCUIT

o L CONNECTOR (1)
IRCUIT (CS23)
Page 32)

o L CONNECTOR (1)
IRCUIT (CS13)
Page 32)



■ SCHEMATIC DIAGRAM • TAPE DECK AND MECHANISM CIRCUIT (Parts list on pages 69~77.)

Notes:

<for Tuner circuit>

- No switches or VRs.

<for CD circuit>

- S701 : Rest switch.
- VR701 : Best eye adjustment VR.

<for Tape deck and Mechanism circuit>

- | | | | |
|-------|--|--------|--|
| ●S951 | : Deck 1 mode detect switch. | ●S976 | : Deck 2 Metal tape detect switch. |
| ●S952 | : Deck 1 cassette tape insertion detect switch. | ●VR301 | : Deck 2 tape speed adjustment VR. (HIGH) |
| ●S953 | : Deck 1 CrO ₂ /METAL tape detect switch. | ●VR302 | : Deck 2 tape speed adjustment VR. (NORMAL) |
| ●S971 | : Deck 2 mode detect switch. | ●VR303 | : Deck 1 tape speed adjustment VR. (NORMAL) |
| ●S972 | : Deck 2 cassette tape insertion detect switch. | ●VR101 | : Deck 1 Lch playback level (Dolby) adjustment VR. |
| ●S973 | : Deck 2 record prevention tab detect switch. (REV) | ●VR102 | : Deck 2 Lch playback level (Dolby) adjustment VR. |
| ●S974 | : Deck 2 record prevention tab detect switch. (FWD) | ●VR201 | : Deck 1 Rch playback level (Dolby) adjustment VR. |
| ●S975 | : Deck 2 CrO ₂ tape detect switch. | ●VR202 | : Deck 2 Rch playback level (Dolby) adjustment VR. |

General

- DC voltage measurements are taken with electronics voltmeter.
The negative terminal of the battery provides negative meter connection point.

()...LW/MW < >...FM (())...CD

No mark ...TAPE PLAYBACK (DECK 2) [] ...TAPE RECORDING << >> ...HIGH SPEED EDITING

- Important safety notice.

Components identified by mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

- This schematic diagram may be modified at any time with the development of new technology.

→ : FM Signal Line

 : FM OSC Signal Line

 : LW/MW OSC Signal Line


■ ■ ■ ■ ■ : FM/LW/MW Vcap Control Signal Line

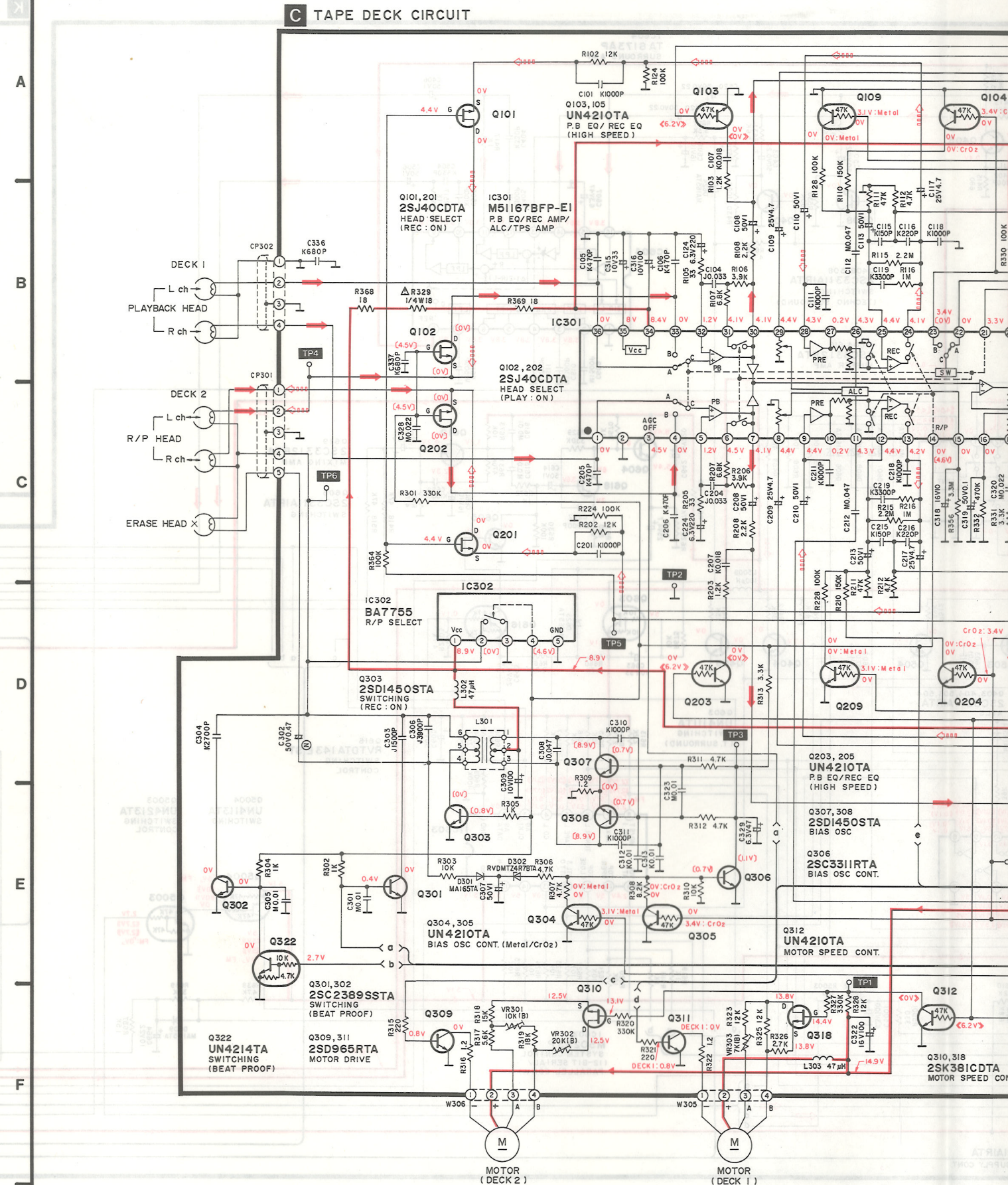
 : CD Signal Line

→ : Tape Playback Signal Line

□□□➡ : Recording Signal Line

 : Mic Signal Line

 : +B Line



list on pages 69~77.)

Notes:

<for Main circuit>

- S650 : AC/DC select switch.
- S681 : Disc tray open/close switch (CD OPEN/CLOSE)
- S682 : Top panel open/close switch. (OPEN/CLOSE)
- S683 : Volume up switch. (VOL +)
- S684 : Volume down switch. (VOL -)
- S685 : Operation switch. (OPERATION)
- S686 : CD stop switch. (■)
- S687 : CD playback switch. (▶)
- S688 : Function select switch. (TUNER/BAND)
- S689 : Deck forward side playback switch. (▶)
- S690 : Deck reverse side playback switch. (◀)
- S691 : Deck stop switch. (■)
- S692 : Deck fast/TPS switch. (TPS ▶▶)
- S693 : Deck fast/TPS switch. (◀◀ TPS)
- S790 : Disc tray close detect switch.
- S791 : Disc tray open detect switch.
- S4601 : Top panel open detect switch.
- S4602 : Top panel close detect switch.

<LCD circuit>

- S800 : AI jog dial. (AI JOG)
- S801 : Program set switch. (SET)
- S802 : Cancel switch. (CANCEL)
- S803 : Timer/clock switch. (TIMER/CLOCK)
- S804 : Sleep switch. (SLEEP)
- S805 : Timer recording switch. (REC-TIMER)
- S806 : Timer play switch. (PLAY-TIMER)
- S807 : ATLS switch. (ATLS)
- S808 : Recording pause switch. (●||)
- S809 : Auxiliary input select switch. (AUX)
- S810 : Tape counter reset switch. (COUNTER RESET)
- S811 : Reverse mode select switch. (REV MODE)
- S812 : Deck select switch. (DECK1/2)
- S813 : Edit recording switch. (HIGH)
- S814 : Edit recording switch. (NORMAL)
- S815 : T-SURROUND switch. (T-SURROUND)
- S816 : Beep on/off switch. (BEEP)
- S817 : CD edit switch. (CD EDIT)
- S818 : Dolby NR switch. (DOLBY NR)
- S819 : Preset equalizer select switch. (PRESET EQ)
- S823 : S-XBS level control switch. (S-XBS LEVEL)
- S824 : Tuning mode select switch. (TUNING MODE)
- S825 : Title switch. (TITLE)

General

- DC voltage measurements are taken with electronics voltmeter.
- The negative terminal of the battery provides negative meter connection point.

No mark...TAPE PLAYBACK (DECK 2) ...TUNER ()...CD
[]...AUX

•Battery current:

Vol. min	420 mA (FM)	Vol. max	1010 mA (FM)
	410 mA (LW/MW)		690 mA (LW/MW)
	490 mA (TAPE)		1800 mA (TAPE)
	620 mA (CD)		2140 mA (CD)

Measurement instruction

LW/MW: 74 dB/m, 30% Mod.
 FM: 60 dB, 30% Mod.
 TAPE: 315 Hz, 0 dB
 CD: 1 kHz, 0 dB

•Important safety notice.

Components identified by ▲ mark have special characteristics important for safety.
 When replacing any of these components, use only manufacturer's specified parts.

- This schematic diagram may be modified at any time with the development of new technology.

→ : FM Signal Line

→ : AF Signal Line

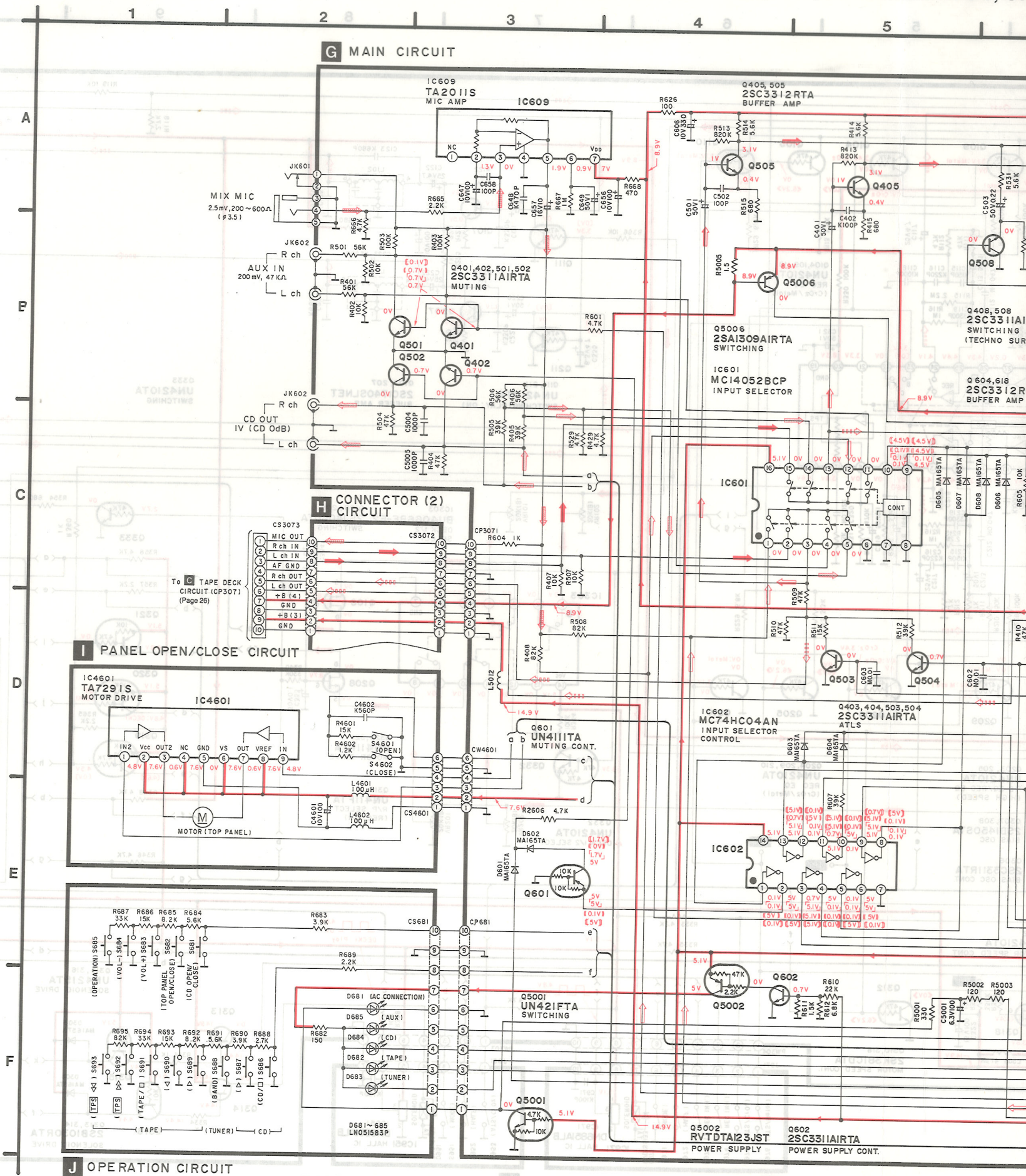
→ : Mic Signal Line

→ : CD Signal Line

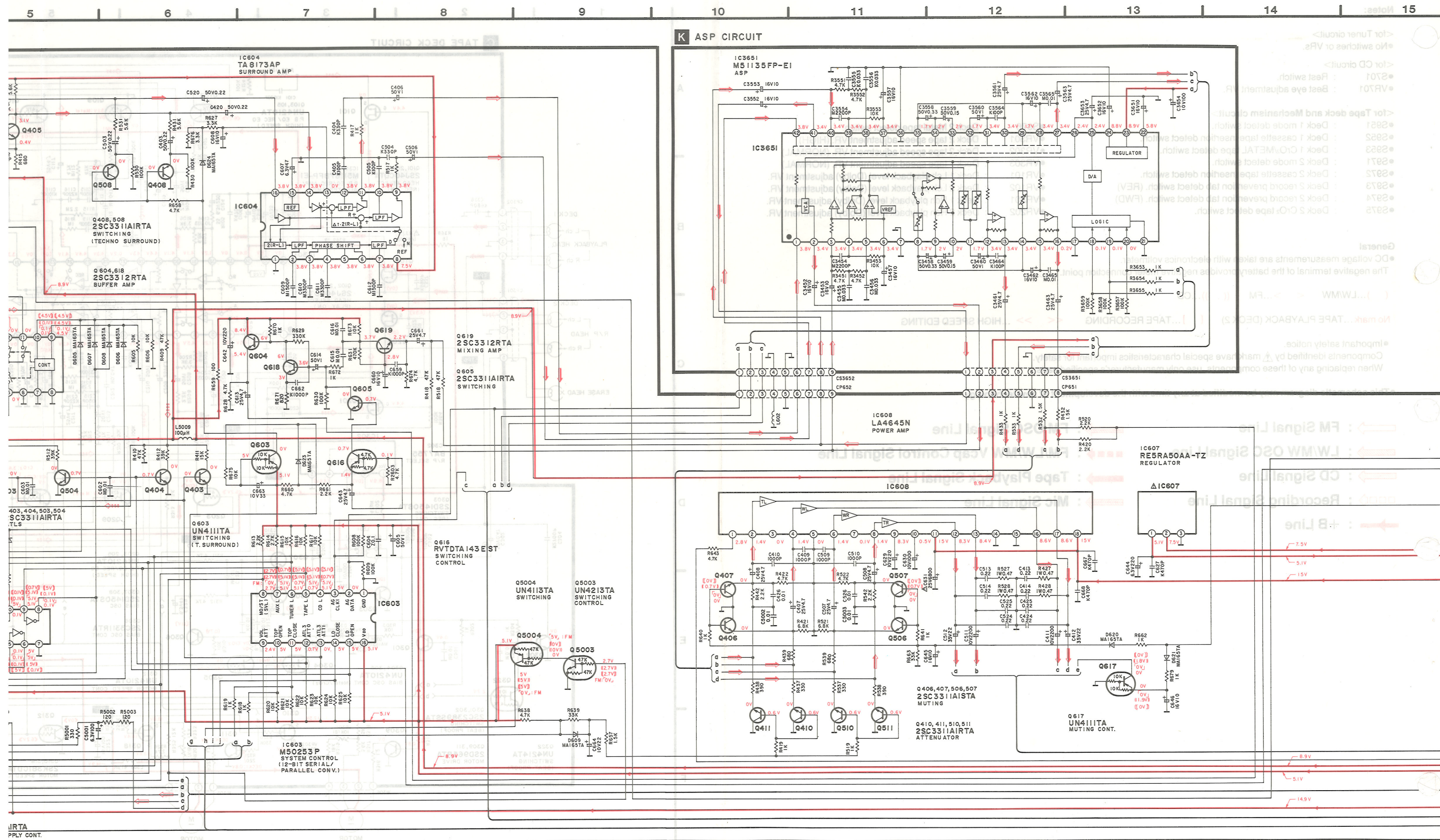
→ : Recording Signal Line

→ : +B Line

■ SCHEMATIC DIAGRAM •MAIN, CONNECTOR, PANEL OPEN/CLOSE, ASP, LOADING MOTOR, OF



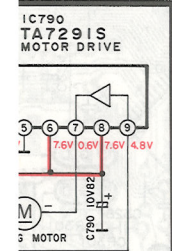
ADING MOTOR, OPERATION, HEADPHONES, POWER SUPPLY AND LCD CIRCUIT (Parts list on pages 69~77.)



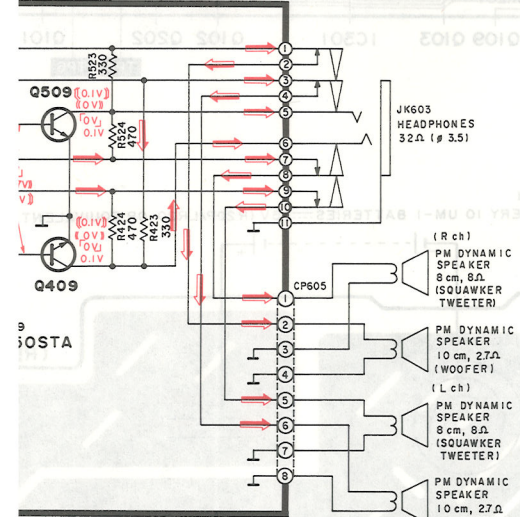


F LCD CIRCUIT

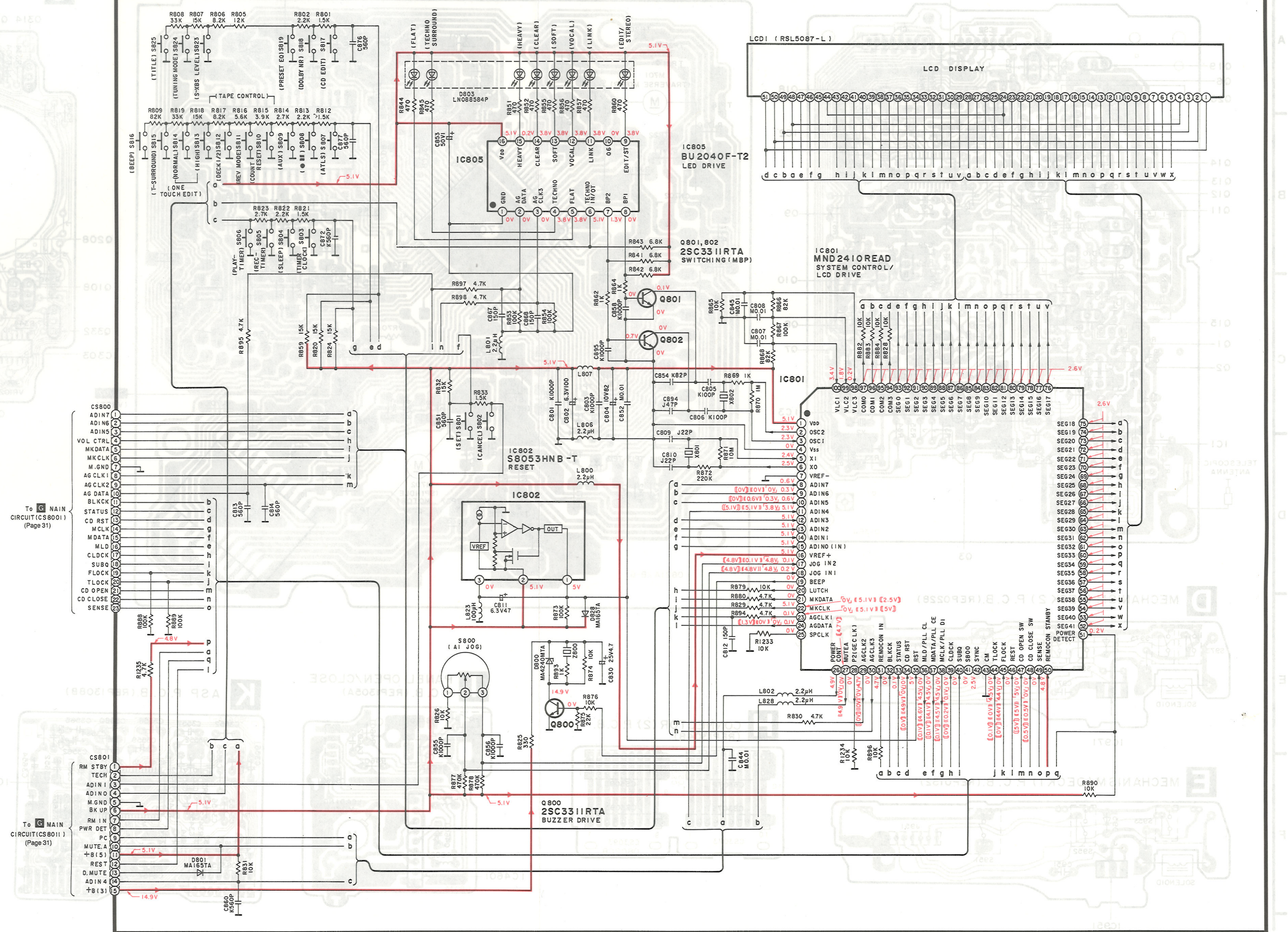
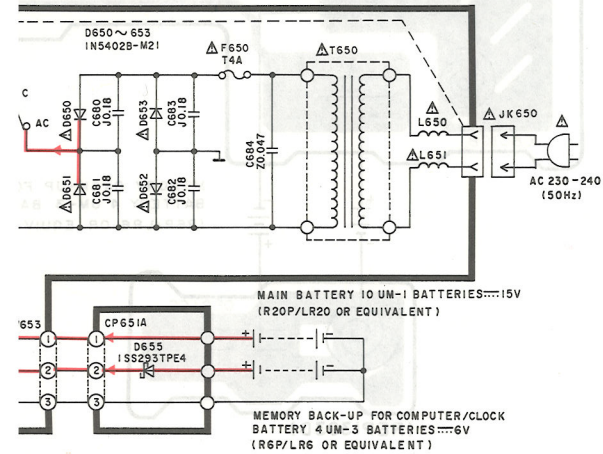
LOADING MOTOR CIRCUIT



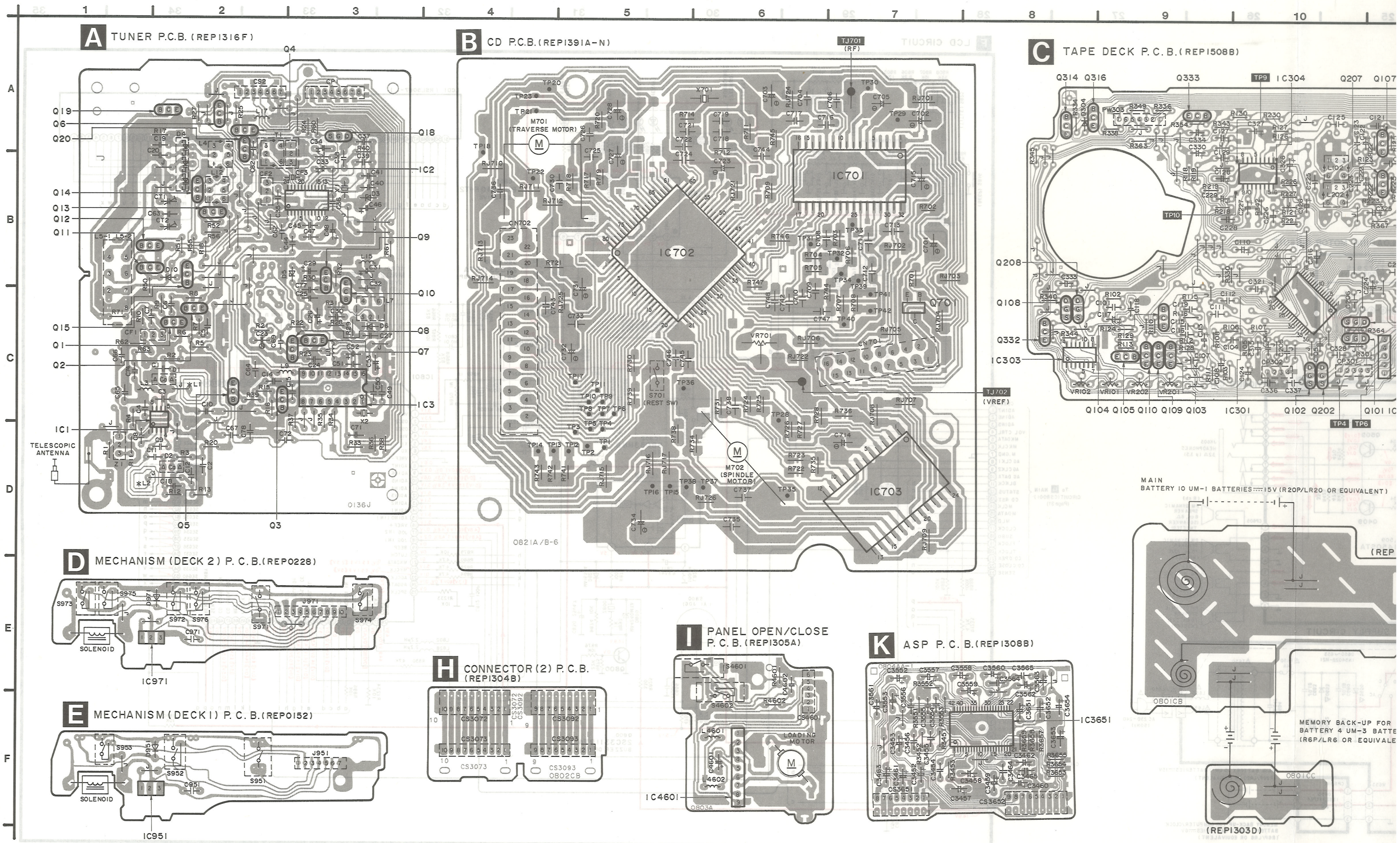
N HEADPHONES CIRCUIT



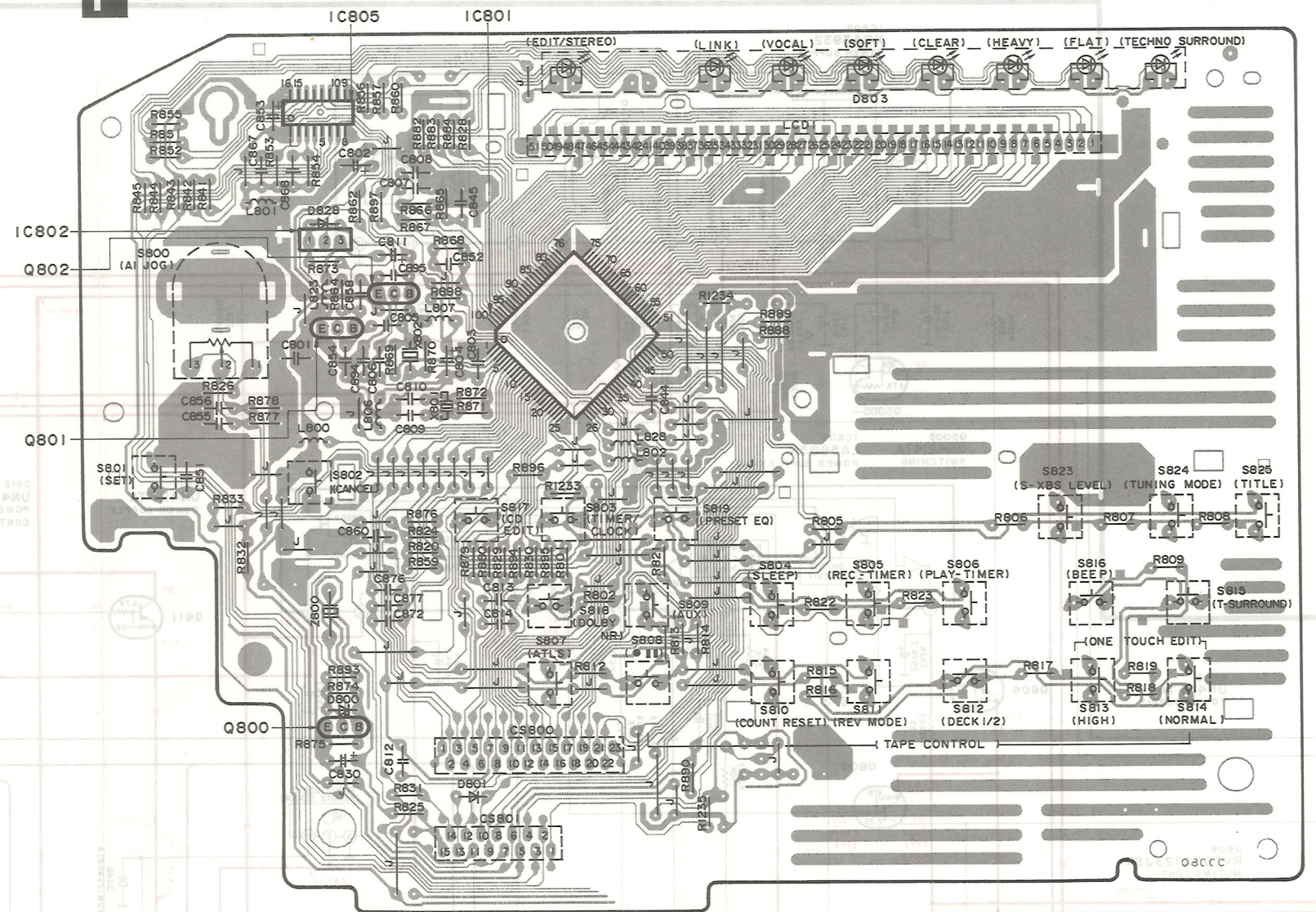
UPPLY CIRCUIT



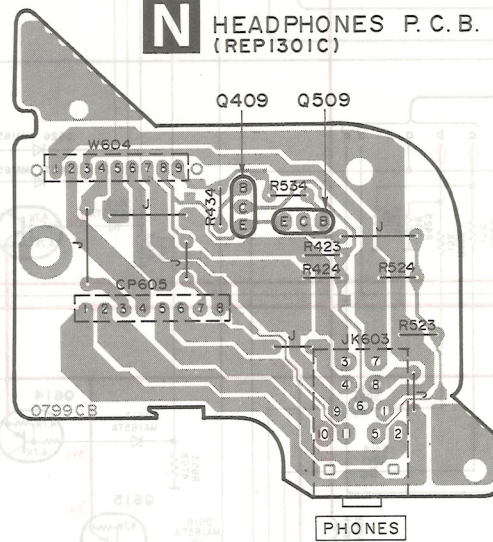
PRINTED CIRCUIT BOARD DIAGRAM



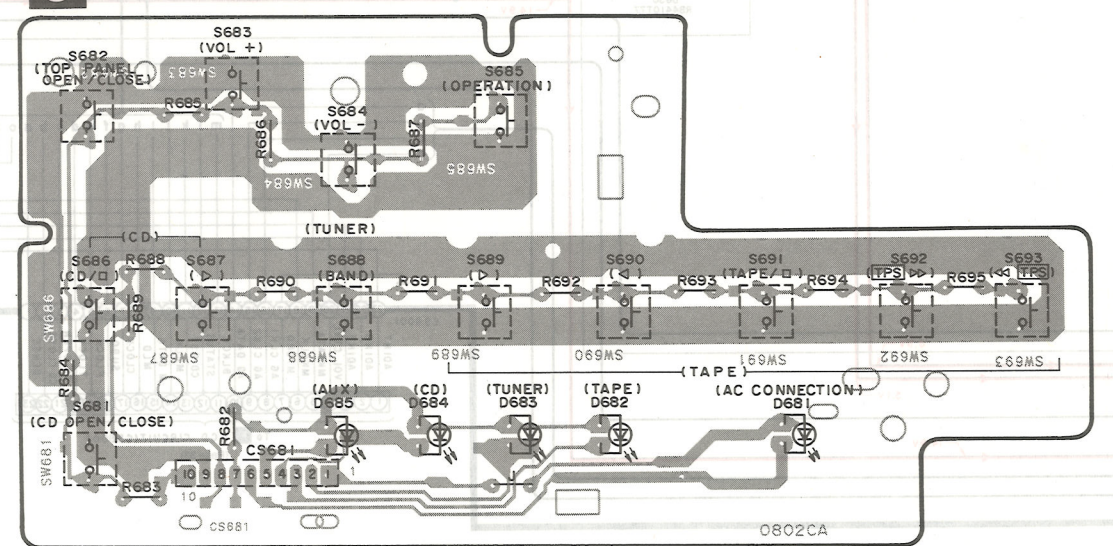
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N



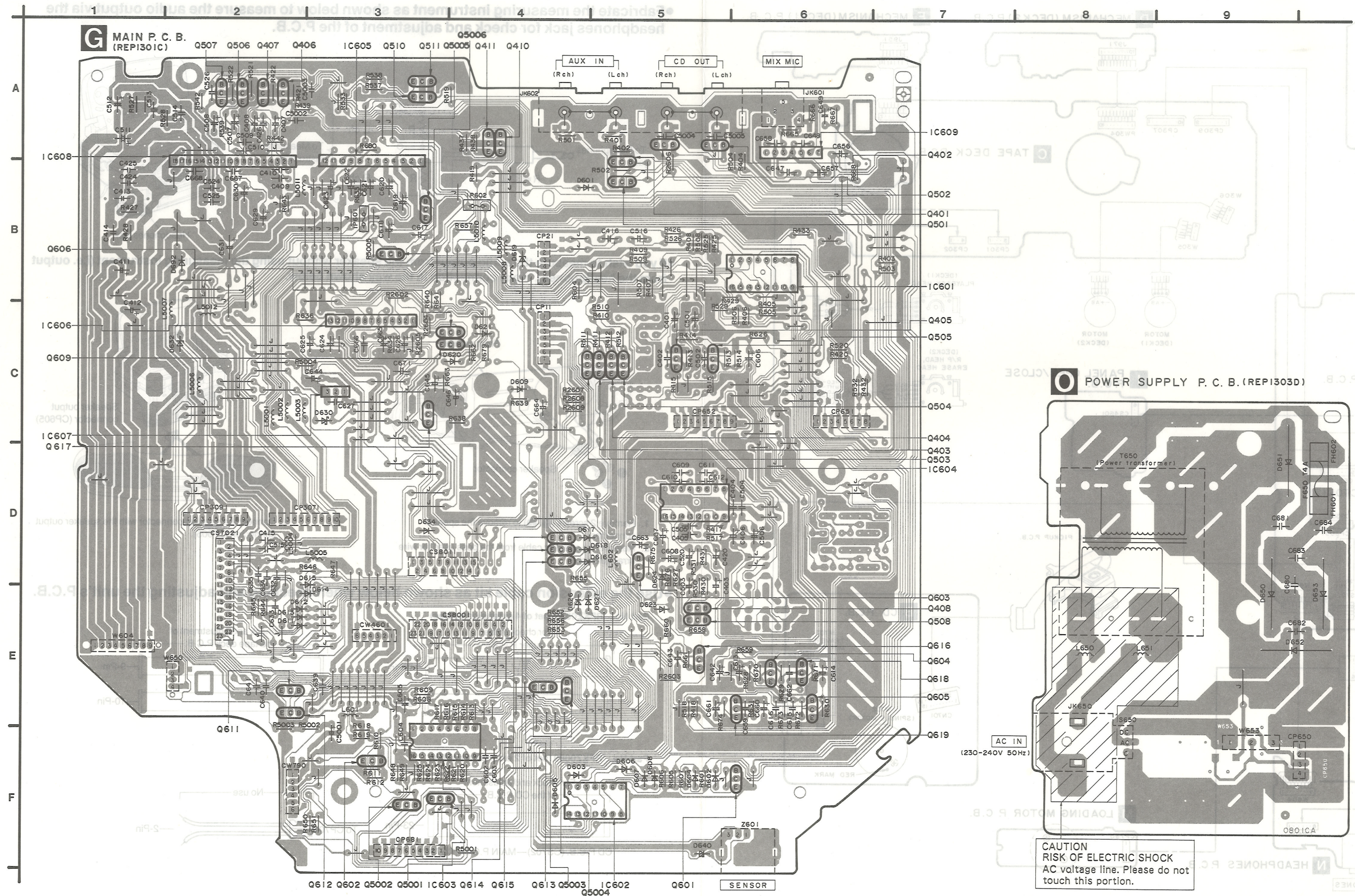
4

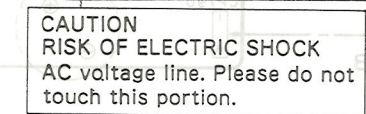


M



■ PRINTED CIRCUIT BOARD DIAGRAM





■ PREPA

- Fabricate the headphones.

To Headphone
jack

- If you wish to n...
from the headp...

1. Remove 2 screws from the connector.
2. Remove the connector from the arrangement.

- Use the exte

Part No.: RFK2

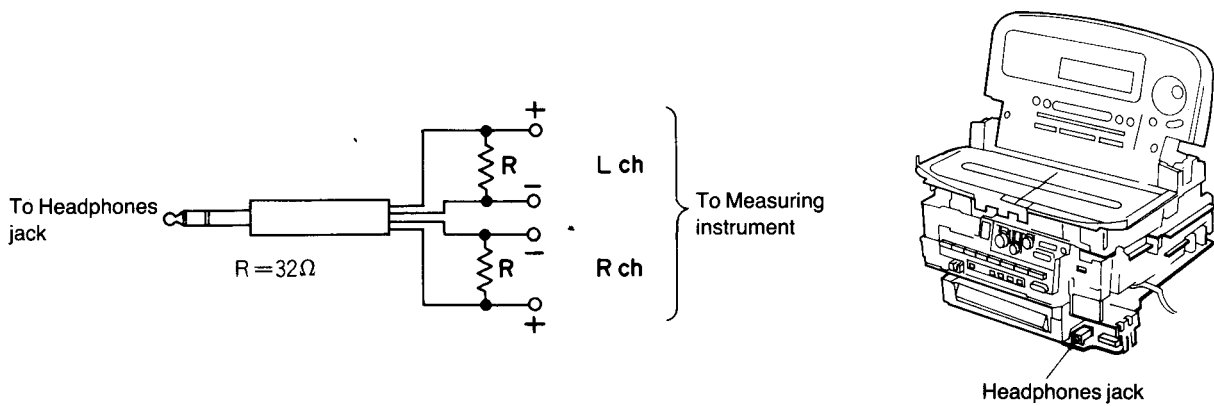
Part No.: RFK2

CD P.C.

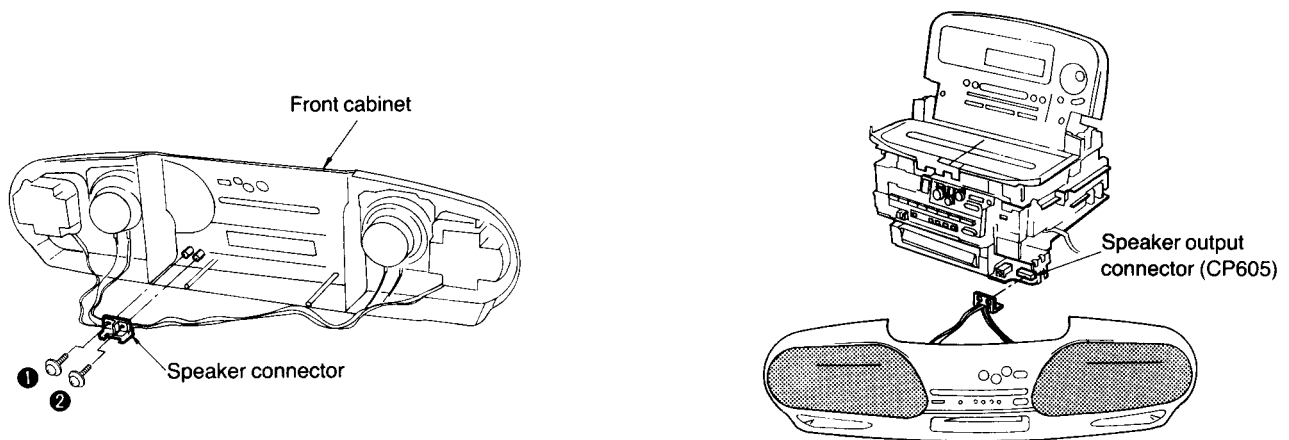


■ PREPARATIONS FOR CHECK AND ADJUSTMENT OF P.C.B.

- Fabricate the measuring instrument as shown below to measure the audio output via the headphones jack for check and adjustment of the P.C.B.



- If you wish to measure the audio output from the speaker without using the measuring instrument (i.e. output from the headphones), make connection in the way shown below.

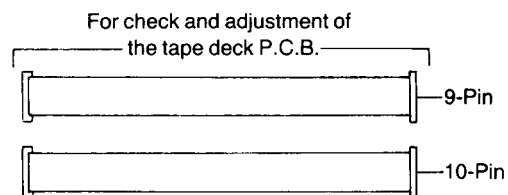
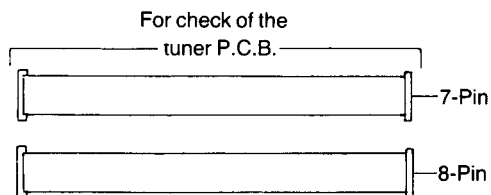


1. Remove 2 screws (1, 2) to remove the speaker connector.
2. Remove the speaker cable from the boss used for wire arrangement.

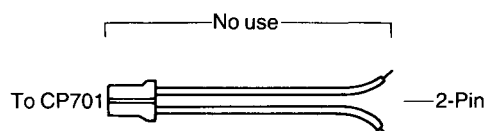
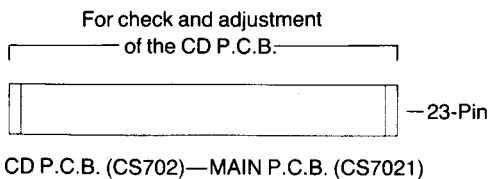
3. Connect the speaker connector with the speaker output connector (CP605).

- Use the extension cable kit as shown below when checking and adjusting the unit's P.C.B.

Part No.: RFKZ0024 (set of 4 extension cables)

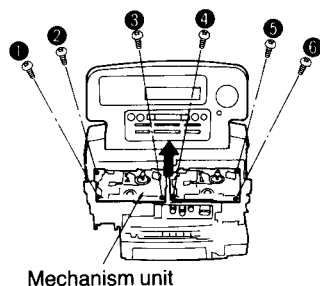


Part No.: RFKZ0009 (set of 2 extension cables)

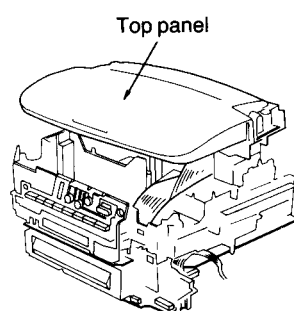


●Check and adjustment of Tuner P.C.B.

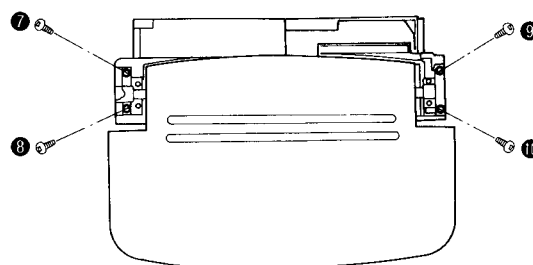
1. Follow the disassembly instructions of Ref. No. 4 "Removal of the main unit" to remove the main unit. (Refer to page 8.)



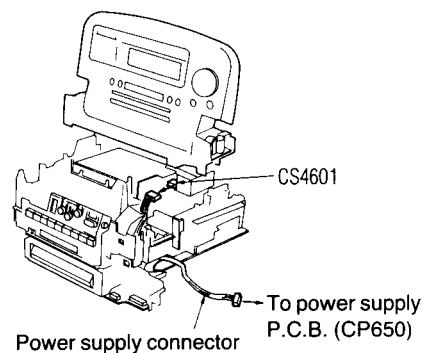
2. Remove 6 screws (1~6).
3. Remove the mechanism unit.



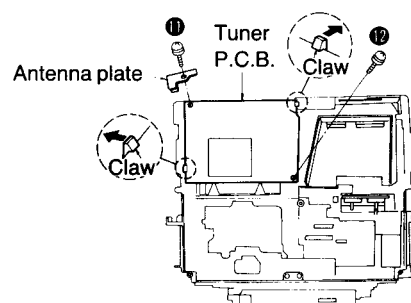
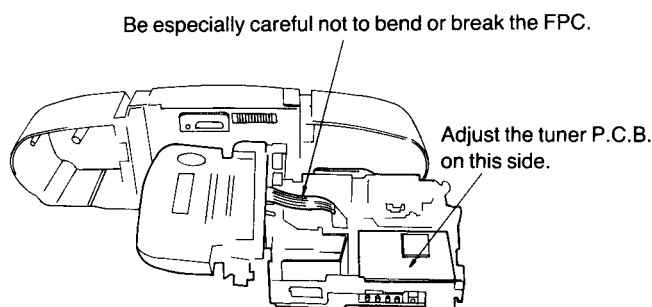
5. Lift up the top panel.



4. Remove 4 screws (7~10).



6. Open the top panel.
7. Release the connector (CS4601).
8. Connect the power supply connector for power P.C.B. (CP650).

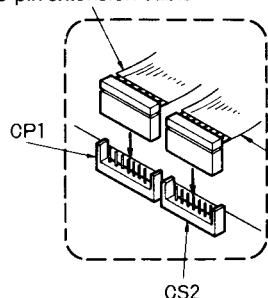


9. Place the main unit and top panel as shown above.

●Check the tuner P.C.B.

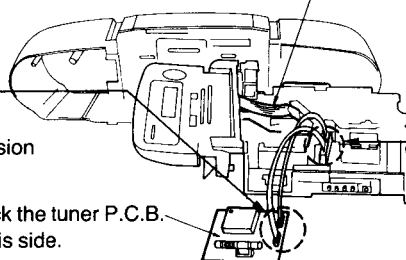
10. Remove 2 screws (11~12).
11. Release 2 claws in the direction of arrows.
12. Remove the tuner P.C.B.

8-pin extension cable

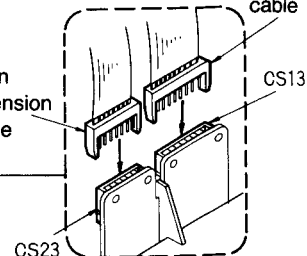


Be especially careful not to bend or break the FPC.

Check the tuner P.C.B. on this side.



8-pin extension cable

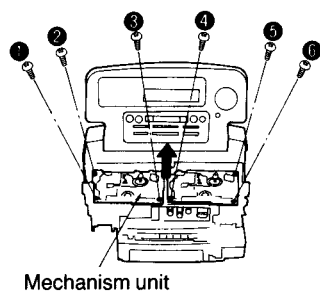


13. Connect the 8-pin connector and 7-pin connector of the extension cable (RFKZ0024).

●Adjustment the tuner P.C.B.

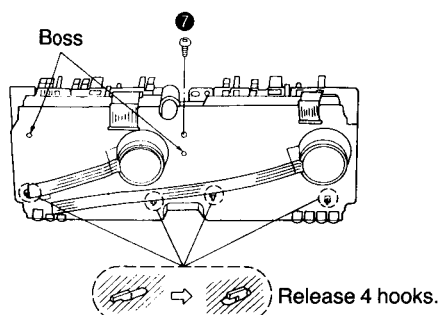
●Check and adjustmet of tape deck P.C.B.

1. Follow the disassembly instructions of Ref. No. 5 "Removal of the cassette panel" to remove the cassette panel. (Refer to page 9.)

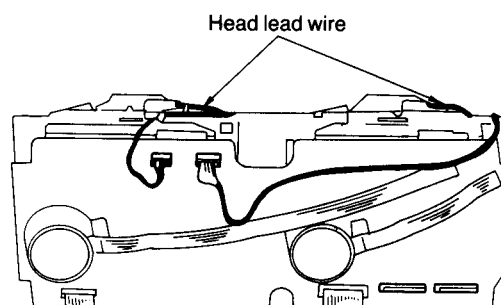
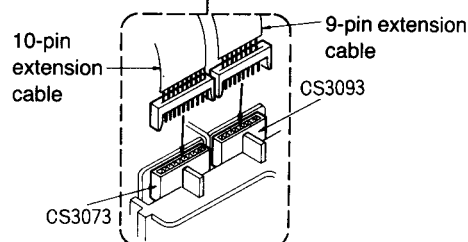
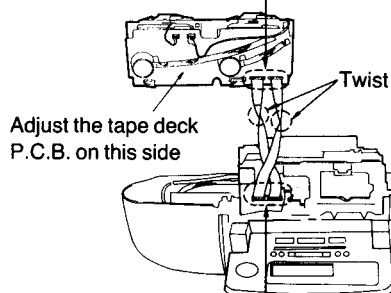
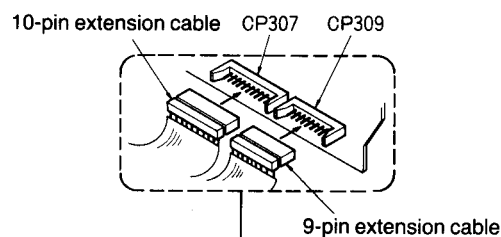


2. Remove 6 screws (①~⑥).
3. Remove the mechanism unit.

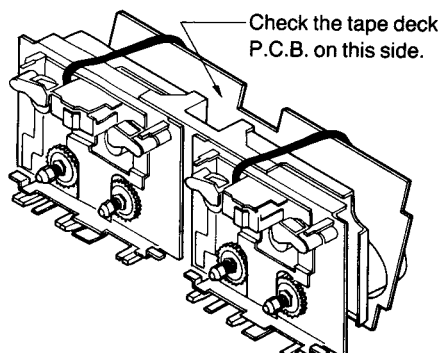
4. Connect the 9-pin connector and 10-pin connector of the extension cable (RFKZ0024).
5. Connect the power supply connector for power supply P.C.B. (CP650).



6. Remove the screw (⑦).
7. Release 2 bosses.
8. Release 4 claws.



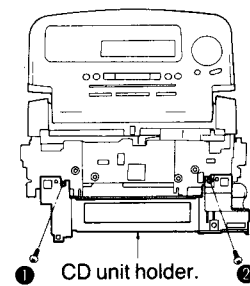
9. Place the tape deck unit as shown above.
10. Release 2 head lead wires from hook.



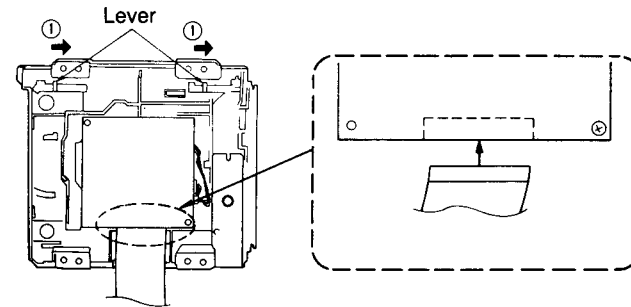
11. Place the tape deck P.C.B. as shown above.
- Be sure to check the tape deck P.C.B. under this condition.

•Check and adjustment of CD P.C.B.

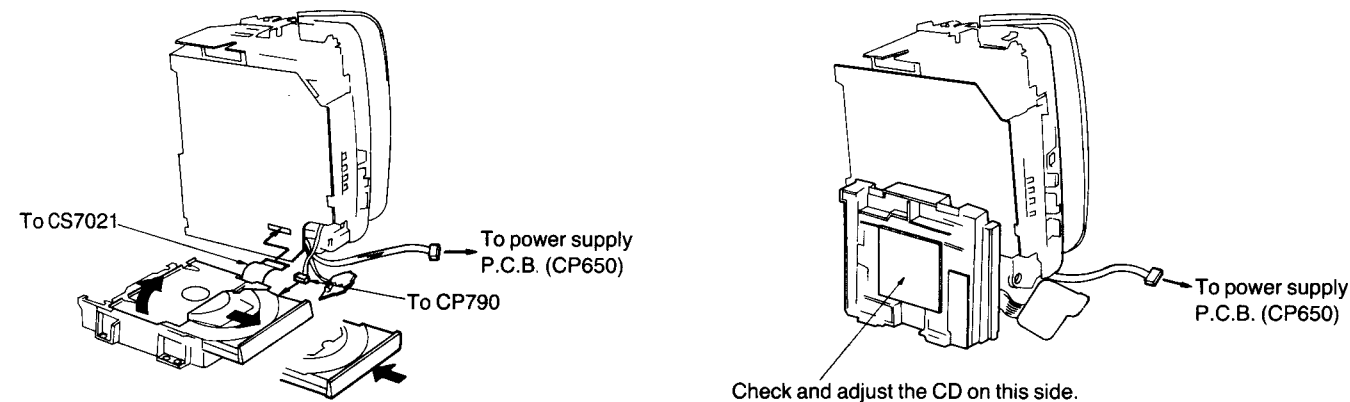
1. Follow the disassembly instructions of Ref. No. 7 "Removal of the CD unit" to remove the CD unit. (Refer to page 9.)



2. Remove 2 screws (1, 2).
3. Remove the CD unit holder.



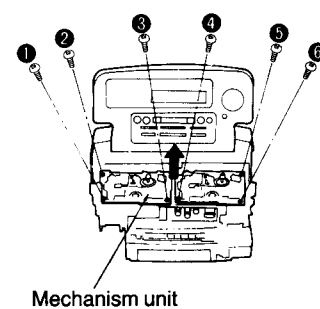
4. Slide the lever fully in the direction of arrow ① and pull the CD P.C.B. toward you.
5. Connect the extension cable (RFKZ0009) to the CD P.C.B.



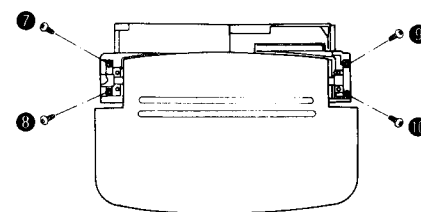
6. Connect the CD unit to the main P.C.B.
7. Connect the power supply connector to the power supply P.C.B. (CP650).
8. Press the CD/□ button.
(Power is turned on and the deck is set to the CD function mode.)
9. Press the CD OPEN/CLOSE button to open the disc tray.
10. Load the test disc into the disc tray and press the CD OPEN/CLOSE button to close the disc tray.
11. Place the CD unit as shown above.
•Be sure to check and adjust the CD P.C.B. under this condition.

•Check of electronic volume P.C.B.

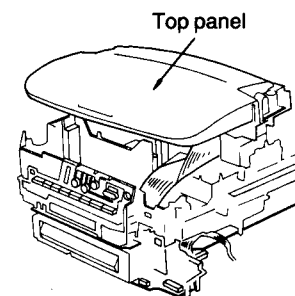
1. Follow the disassembly instruction of Ref. No. 4 "Removal of the main unit" to remove the main unit. (Refer to page 8.)



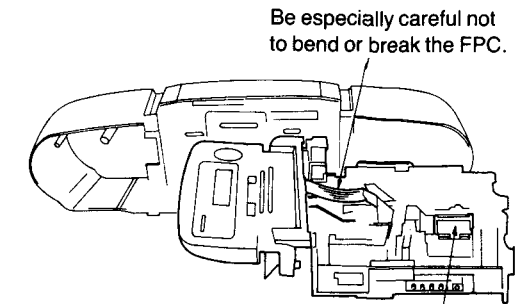
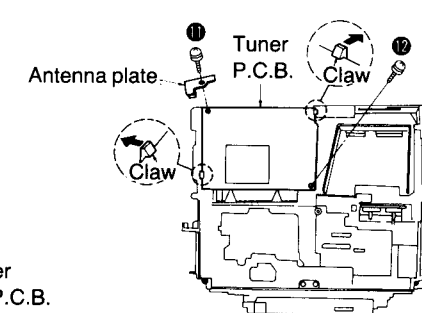
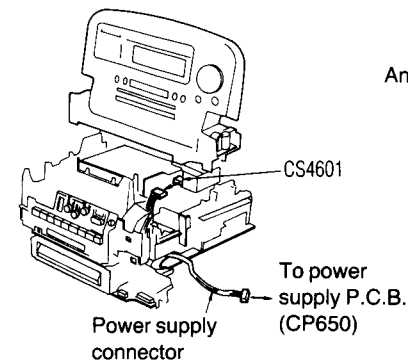
2. Remove 6 screws (1~6).
3. Remove the mechanism unit.



4. Remove 4 screws (7~10).

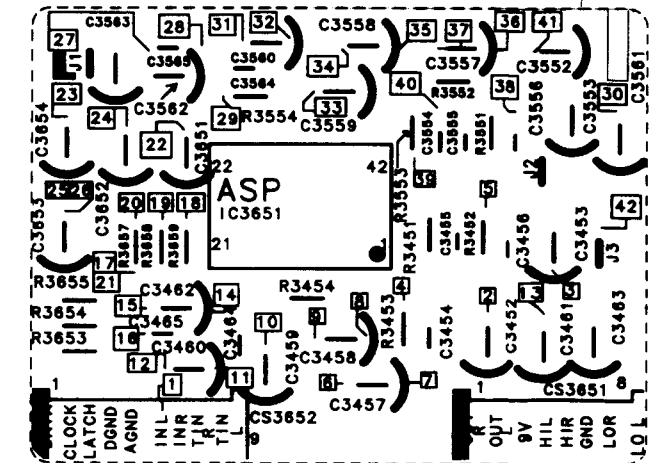


5. Lift the top panel.



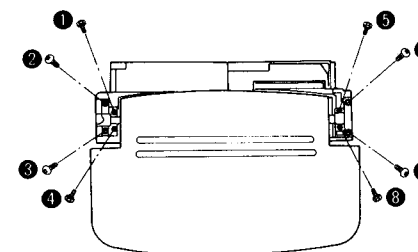
6. Open the top panel.
7. Release the connector (CS4601).
8. Connect the power supply connector to the power P.C.B. (CP650).
9. Remove 2 screws (11~12).
10. Release 2 claws in the direction of arrow.
11. Remove the tuner P.C.B.
12. Place the top panel as shown above.

- Check the electronic volume P.C.B. under this condition.
IC3651 is attached to the reverse side (soldered side) of the electronic volume P.C.B. Measure the terminal voltage of IC3651 on the surface of the P.C.B. by referring to the IC terminal No. indicated in □ (square) on the surface.

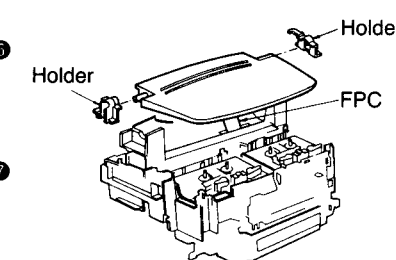


•Check of LCD P.C.B.

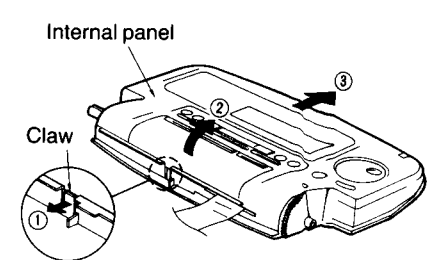
1. Follow the disassembly instructions of Ref. No. 4 "Removal of the main unit" to remove the main unit. (Refer to page 8.)



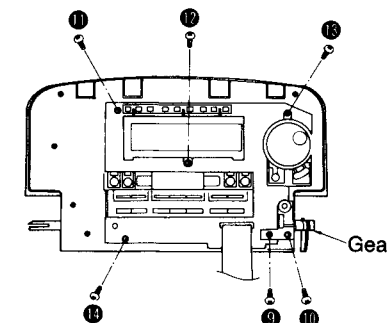
2. Remove 8 screws (1~8).



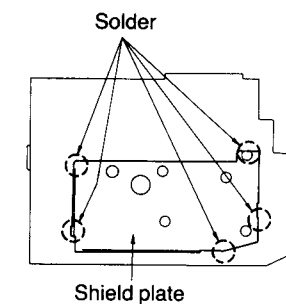
3. Lift the top panel.
At this time, the two holders will be removed.
Note: Be especially careful not to break the FPC.



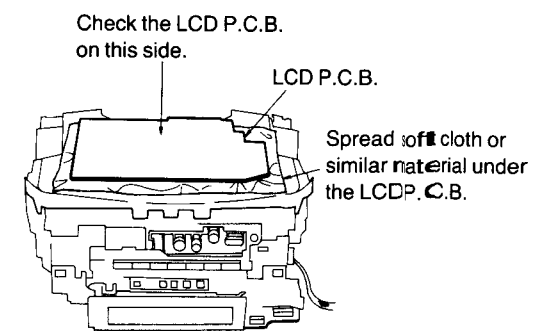
4. Keep the claw pressed in the direction of arrow ① and lift slightly the internal panel in the direction of arrow ② and slide the panel in the direction of arrow ③ to remove.



5. Remove 2 screws (9, 10).
6. Remove the gear.
7. Remove 4 screws (11~14).



8. Unsolder the five solderd points and remove the shield plate.



9. Place the LCD P.C.B. as shown above.
10. Connect the power supply connector to CP650 on the power supply P.C.B.
- Check the LCD P.C.B. under this condition.

■ MEASUREMENTS AND ADJUSTMENTS

<TUNER SECTION>

●ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

- Set power source voltage to 15 V DC.
- Set power switch to ON.
- Set function switch to TUNER/MW or LW.
- Set volume level to 5.
- Output of signal generator should be no higher than necessary to obtain an output reading.

●MW-RF ALIGNMENT

(The parts other than the ones listed below are aligned at the factory before they are supplied. Therefore, alignment of those parts is unnecessary when used for replacement.)

SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONIC VOLTMETER or OSCILLOSCOPE)	ADJUSTMENT (Refer to Fig. 2.)	REMARKS
CONNECTIONS	FREQUENCY				
Fashion a loop of several turns of wire and radiate a signal into the loop ant. of receiver.	594 kHz	Tune to signal	Headphones Jack (32Ω) (Fabricate the plug as shown in Fig. 1 and then connect the lead wires of the plug to the measuring instrument.)	(*) L9-1 (MW ANT Coil)	Adjust for maximum output. Adjust L9-1 by moving coil along the ferrite core.
"	1,503 kHz	"	"	CT1 (MW ANT Trimmer)	Adjust for maximum output.

(*) Fix antenna coil with wax after completing alignment.

●LW-RF ALIGNMENT

SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONIC VOLTMETER or OSCILLOSCOPE)	ADJUSTMENT (Refer to Fig. 2.)	REMARKS
CONNECTIONS	FREQUENCY				
Fashion a loop of several turns of wire and radiate a signal into the loop ant. of receiver.	162 kHz	Tune to signal	Headphones Jack (32Ω) (Fabricate the plug as shown in Fig. 1 and then connect the lead wires of the plug to the measuring instrument.)	(*) L9-2 (LW ANT Coil)	Adjust for maximum output. Adjust L9-2 by moving coil along the ferrite core.
"	270 kHz	"	"	CT2 (LW ANT Trimmer)	Adjust for maximum output.

(*) Fix antenna coil with wax after completing alignment.

●ALIGNMENT POINT

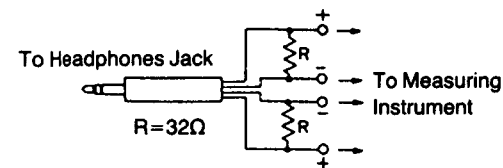


Fig. 1

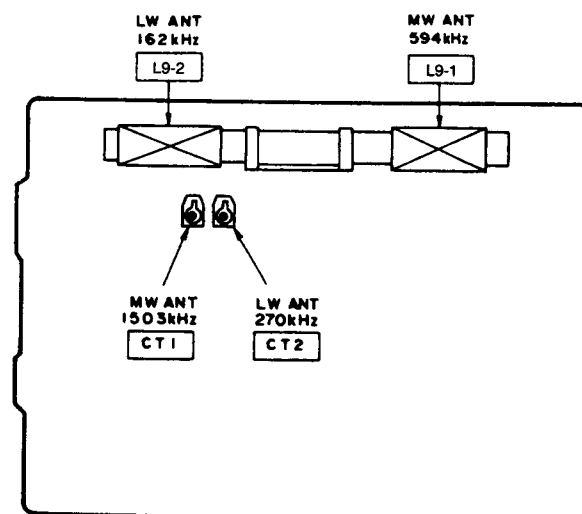


Fig. 2

<CASSETTE DECK SECTION>

●ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

- Set power source voltage to 15 V DC.
- Set power switch to ON.
- Set function switch to TAPE.
- Set volume control to 5.
- Output of signal generator should be no higher than necessary to obtain an output reading.

●HEAD AZIMUTH ALIGNMENT

TEST TAPE	INDICATOR (ELECTRONIC VOLTMETER or OSCILLOSCOPE)	ADJUSTMENT	SPECIFICATION	REMARKS
QZZCFM (8 kHz, -20 dB)	Headphones Jack (32Ω) (Fabricate the plug shown in Fig. 1 and then connect the lead wires of the plug to the measuring instrument.)	Azimuth Screw (Refer to Fig. 3.)	maximum output.	1. Playback mode. 2. Adjust for maximum output.

●TAPE SPEED ALIGNMENT

TEST TAPE	INDICATOR (FREQUENCY COUNTER)	ADJUSTMENT	REMARKS
QZZCWAT (3 kHz, -10 dB)	Headphones Jack (32Ω) (Fabricate the plug shown in Fig. 1 and then connect the lead wires of the plug to the measuring instrument.)	DECK 1 NORMAL SPEED VR303 DECK 2 HIGH SPEED VR301 DECK 2 NORMAL SPEED VR302 (Shown in Fig. 4.)	<ol style="list-style-type: none"> 1. Insert test tape (QZZCWAT) in DECK 1 and start playback in forward direction. 2. Adjust VR303 until the frequency is set to 3000 ± 20 Hz. •This frequency is defined as F1. 3. Start playback DECK 1 in reverse direction. 4. Adjust VR303 until the frequency is set to $F1 \pm 40$ Hz. 5. Short the test point TP1 and TP2 to set the high speed mode. 6. Start playback DECK1 in forward direction. •This frequency is defined as F2. 7. Insert test tape (QZZCWAT) in DECK 2 and start playback in forward direction. 8. Adjust VR301 until the frequency is set to $F2 \pm 40$ Hz. 9. Open the test point TP1 and TP2 to set the normal speed mode. 10. Start playback DECK 2 in forward direction. 11. Adjust VR302 until the frequency is set to 3000 ± 20 Hz. •This frequency is defined as F3. 12. Start playback DECK 2 in reverse direction. 13. Adjust VR302 until the frequency is set to $F3 \pm 40$ Hz.

●RECORD BIAS CHECK

TEST TAPE	INDICATOR (ELECTRONIC VOLTMETER or OSCILLOSCOPE)	ADJUSTMENT	SPECIFICATION	REMARKS
Use METAL tape, CrO ₂ tape and Normal tape	TP6 ... (+) TP4 ... (-) (Shown in Fig. 5.)	—	METAL... 27 ± 2 mV CrO ₂ ... 18.5 ± 2 mV Normal... 13 ± 1 mV	•Record mode

●PLAYBACK LEVEL ALIGNMENT

TEST TAPE	INDICATOR (ELECTRONIC VOLTMETER or OSCILLOSCOPE)	ADJUSTMENT (Shown in Fig. 4.)	SPECIFICATION	REMARKS
QZZCFM (315 Hz, 0 dB)	TP9 ... L ch (+) TP2 ... (-) TP10 ... R ch (+)	DECK 1 L ch... VR101 R ch... VR201 DECK 2 L ch... VR102 R ch... VR202	-11 dBV (280 mV) ± 1 dBV	<ol style="list-style-type: none"> 1. Insert test tape (QZZCFM) and start playback. 2. Adjust VR until the electronic voltmeter reaches the value of -11 dBV (280 mV) ± 1 dBV.

●ALIGNMENT POINT

●Please refer to Circuit Board Diagram for test point locations.

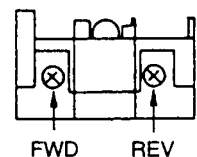
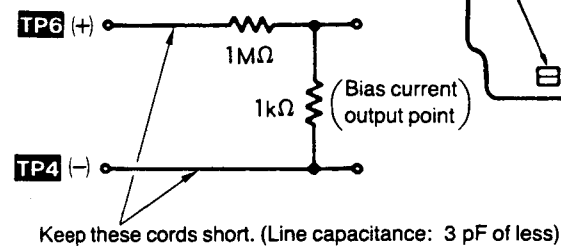


Fig. 3



●In order not to influence the bias oscillation, divide the voltage with 1 MΩ and 1 kΩ resistors, and measure the voltage across the 1 kΩ resistor.

Fig. 5

<CD SECTION>

Caution:

- It is very dangerous to look at or touch the laser beam. (Laser radiation is invisible.) With the unit turned "on", laser radiation is emitted from the pickup lens. Avoid exposure to the laser beam, especially when performing adjustments.

●The CD P.C.B. requires manual adjustment for all of the following items:

- | | |
|-----------------------------------|------------------------|
| (1) Best eye pattern (PD balance) | (5) Tracking gain |
| (2) Focus offset | (6) Tracking balance |
| (3) Tracking offset | (7) Angle of elevation |
| (4) Focus gain | |

In the RX-DT707 CD P.C.B., a servo processor (IC702: MN66271) automatically adjusts items ② through ⑥ of the seven items listed above. Auto adjustment is performed when:

1. A CD is loaded or replaced, or
2. The unit is turned on with a CD in the drive.

*The auto adjustment procedure is reset when the CD P.C.B. is turned off.

●Preparation for Adjustment

1. Set up the unit following the procedure described in "Checking and Adjusting the CD P.C.B.". (See page 47.)
2. After completing the setup procedure, switch the unit off then switch it on again (to adjust the unit with the CD unit placed in an upright position).

●Locations of Adjustments

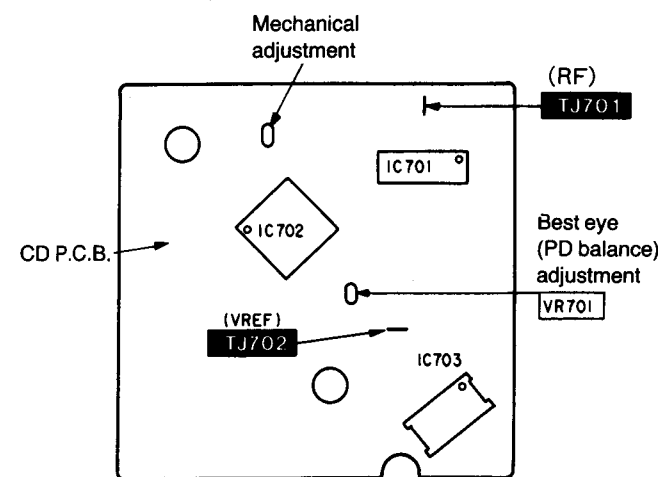


Fig. 6

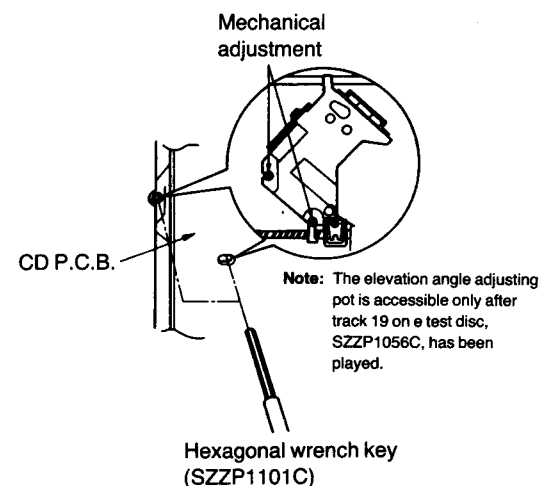


Fig. 7

Measuring Instruments and Special Tools

- Test disc
 1. Playability test disc (SZZP1054C)
 2. Uneven test disc (SZZP1056C)

- Allen wrench (M2.0) (SZZP1101C)
- Oscilloscope

(1) MECHANICAL ADJUSTMENT

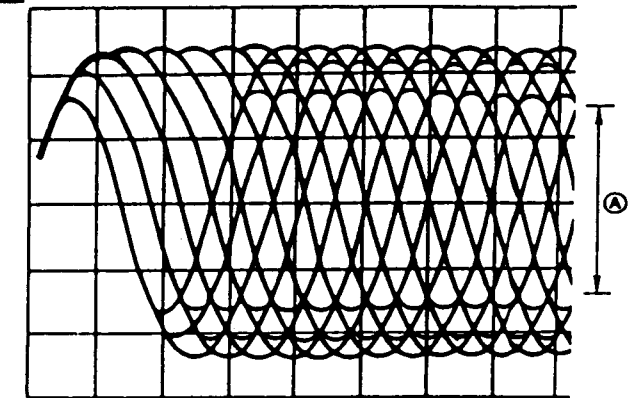
- When the traverse deck is replaced, making adjustments is not necessary. (The traverse deck ass'y is already adjusted.)
- Make adjustments to improve playability when the traverse deck has not been replaced. Make the electrical adjustments first.

1. Connect the oscilloscope's CH. 1 probe across **TJ701** (+) and **TJ702** (VREF) on the Servo P.C.B.

Oscilloscope setting:

VOLT 200 mV
 SWEEP 0.5 μsec
 Input coupling AC

2. Switch the player power ON, and play track 19 on the test disc (SZZP1056C).
3. Leave the player in Play mode and place it as shown in the figure on the right.
4. Alternately adjust the two mechanical adjusting screws with the 2.0 mm allen wrench (SZZP1101C) until the RF signal amplitude on the oscilloscope is maximized. (Shown in Fig. 7)
5. After completing the adjustment, lock the mechanical adjustments with lock paint (RZZ0L01).



A Maximize the amplitude.

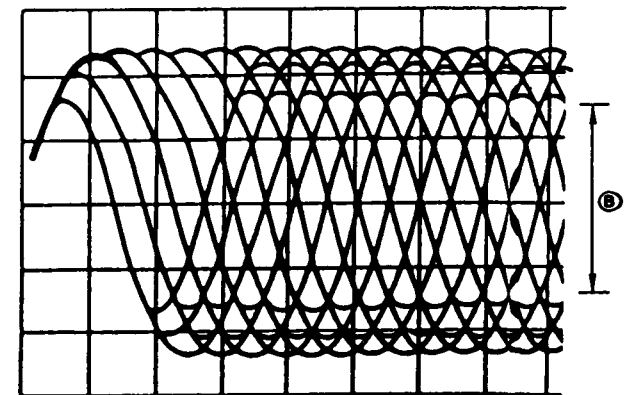
(2) BEST EYE (PD BALANCE) ADJUSTMENT

1. Connect the oscilloscope's CH. 1 probe across **TJ701** (+) and **TJ702** (VREF) on the Servo P.C.B.

Oscilloscope setting:

VOLT 200 mV
 SWEEP 0.5 μsec
 Input coupling AC

2. Switch the player power ON, and play the 1 kHz (track 1) on test disc (SZZP1054C).
3. Adjust VR701 until the RF signal eye pattern amplitude is maximized. (Shown in Fig. 6)



B Maximize the amplitude.

(3) CHECK OF PLAY OPERATION AFTER ADJUSTMENT

*Checking Skip Search

1. Play an ordinary musical program disc.
2. Press the skip button to check for normal skip search operation (in both the forward and reverse directions).

*Checking Manual Search

1. Play an ordinary musical program disc.
2. Press the manual search button to check for smooth manual search operations at either low or high speed (in both the forward and reverse directions).

*Checking Playability

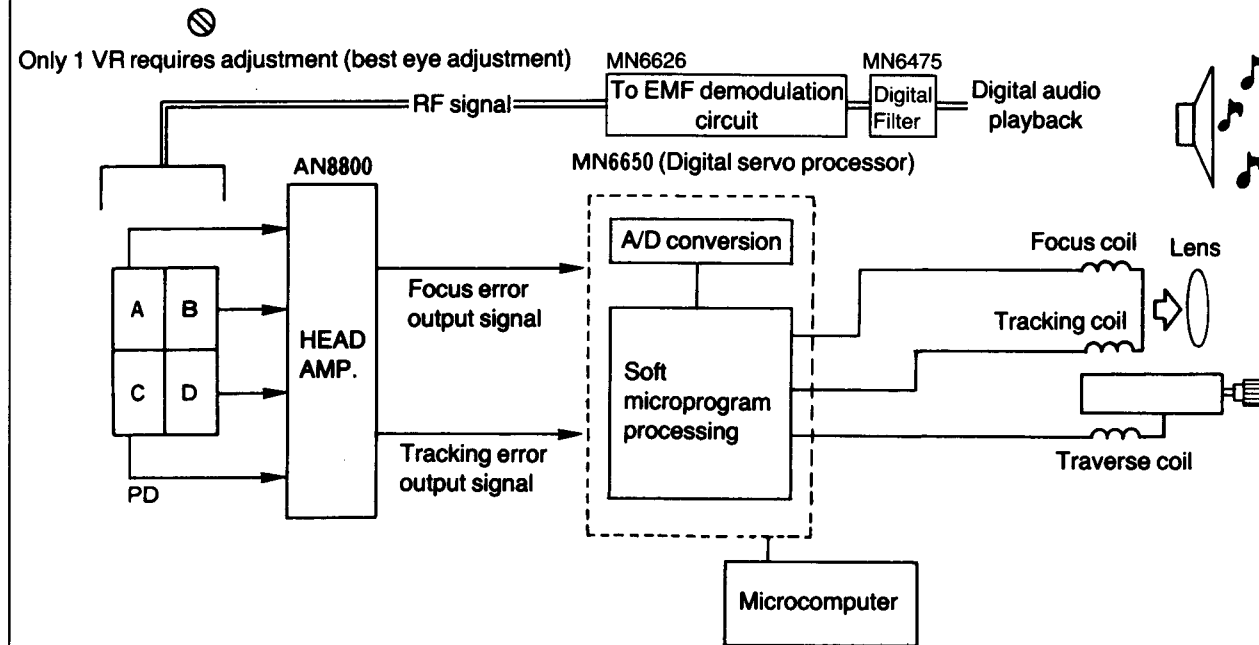
1. Play the 0.7 mm black dot and the 0.7 mm wedge on the test disc (SZZP1054C) and verify that no sound skip or noise occurs.
2. Play the middle tracks of the uneven test disc and verify that no sound skip or noise occurs.

■ NEW DIGITAL SERVO CIRCUIT

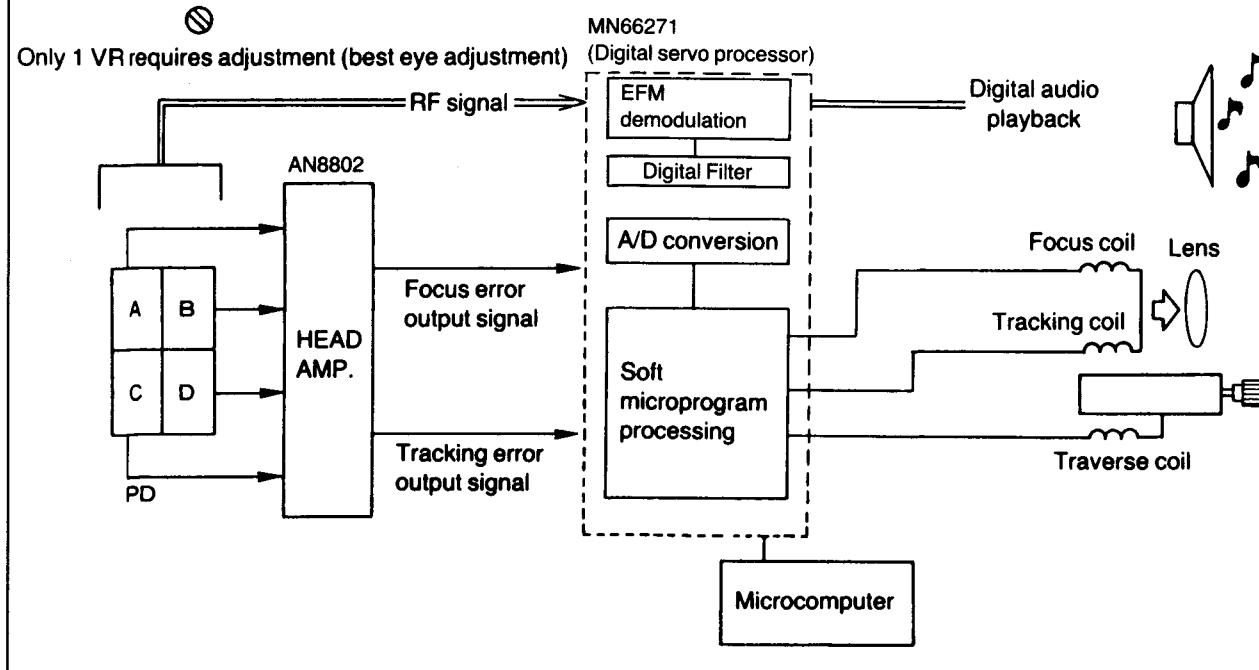
This model employs a new digital servo circuit. Compared to the old digital servo circuit, the following points have been improved.

- 1. Reduced operated noise**
Loading mechanism 2-level speed reducer
- 2. Reduced access time**
[(old) 2.9 seconds→(new) 1.9 seconds]
Change of traverse gear
- 3. Improved vibration resistance**
Rubber and spring 2-level floating mechanism
[fo=50 Hz (old)→20 Hz (new)]
- 4. Reduced number of parts**
Use of a single super IC tip
3 chips (MN6626, MN6650, MN6475) are reduced to a single chip (MN66271)

DIGITAL SERVO SYSTEM (OLD)



DIGITAL SERVO SYSTEM (NEW)



•Refer to the service manual for Model No. SL-CH7 (Order No. AD9104084C8) for information on "DIGITAL SERVO SYSTEM" and "CHECKING THE OPERATION PROBLEMS ON THE TRAVERSE DECK (OPTICAL PICKUP)".

■ SELF DIAGNOSTIC FUNCTION

The Self Diagnostic Function is equipped with RX-DT707. Use this function only when you wish to check the following items.

(It is necessary to use the remote controller supplied with RX-DT707 for the self diagnostic function.)

- Check of malfunction of switches (tact switch) on the cobra top.
Use the diagnostic function when a switch on the cobra top is inoperative.

- Check of all indications on the LCD
- Check of LCD short-circuit

[How to set the self diagnostic function]

Follow the procedures outlined below to set the self diagnostic function mode before the self diagnostic function.

1. Connect the AC power cord of the RX-DT707 to an AC outlet and turn it on.
2. Press the "4" button and afterward "7" button the remote controller while keeping the TAPE/□ button pressed.
The indication in Fig. 1 will be displayed.

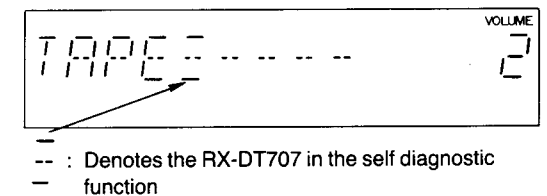


Fig. 1

•CHECK OF MALFUNCTION OF SWITCHES (Tact switch on the cobra top)

1. Press the "3" button on the remote controller.
•All indications on the LCD will disappear and the LED on the cobra top will blink sequentially from left to right.
2. If you press the buttons on the cobra top in the order of ①, ②, ③ and ④ shown in fig. 2, the LCD will appear in the order as shown in fig. 3.

The LEDs blink sequentially from left to right.

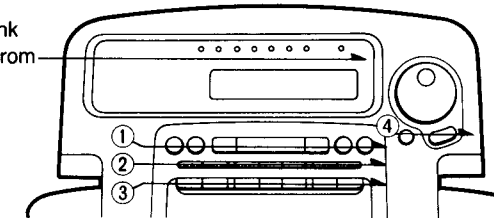


Fig. 2

- The LCD appears in the order as shown in Fig. 3.



Fig. 3



Fig. 4

If the display appears as shown in Fig. 4, the tact switch is normal. If a part of the LCD is not lit, set the self diagnostic function mode again to find the defective switch that cannot light the LCD.

•CHECK OF ALL INDICATIONS ON THE LCD

- Press the "8" button on the remote controller. All indications will appear for about 1 second on the LCD. (Refer to Fig. 5.)
If an indication is not displayed, the LCD or the LCD drive system is defective.

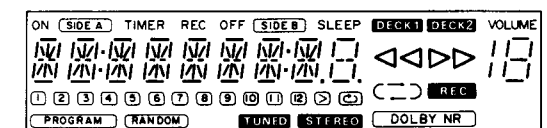


Fig. 5

•CHECK OF LCD SHORT-CIRCUIT

- Press the "9" button on the remote controller. The indications will appear as shown in Fig. 6.
If another indication appears, the LCD is defective.

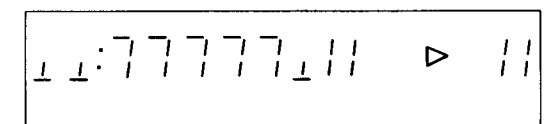


Fig. 6

```

graph TD
    Start([No CD playback]) --> D1{Does the test disc rotate?}
    D1 -- NO --> R1[Remove the test disc]
    D1 -- YES --> D2{Check if TOC reading is performed.}
    D2 -- NO --> R1
    D2 -- YES --> D3{Does "▷" appear on the display?}
    D3 -- No access --> R1
    D3 -- Playing time appear on the display --> D4{Check output pin ① ② ③ of IC702.}
    D4 -- NG --> D5{Check output pin ② ③ of CN702.}
    D5 -- No signal --> F1[IC702 failure]
    D5 -- OK --> D6{Is pin ⑤ of CN702 at "HIGH" or "LOW"?}
    D6 -- "H" --> C1[Check the unit]
    D6 -- "L" --> F2[IC702 failure]
    D4 -- OK --> D7{Is pin ⑥ of IC702 at "HIGH" or "LOW"? (CLVS)}
    D7 -- "L" --> D8{Is there an output at pin ⑥ of IC702? (KICK)}
    D8 -- OK --> F3[R726 failure]
    D8 -- NG --> F4[IC702 failure]
    D7 -- "H" --> D9{Check pin ⑧ of IC701 (RFDET)}
    D9 -- Remains at "H" --> D10{Check pin ⑩ of CN702 (FLOCK)}
    D10 -- Remains at "H" --> F5[IC702 failure]
    D10 -- Changes from "H" or "L" --> F6[IC703 failure]
    D9 -- Charges from "H" or "L" --> D11{Check pin ⑫ of IC701 (FE)}
    D11 -- No waveform or upper and lower amplitudes are not equal. --> F7[Optical pickup failure]
    D11 -- Upper and lower amplitudes of waveform are equal. --> F8[IC701 failure]
    R1 --> S1[Turn on close switch (S790)]
    S1 --> D12{Does optical pickup move?}
    D12 -- NO --> D13{Check the position of optical pickup.}
    D13 -- At outer or around middle track --> D14{Is pin ① of CN702 at "HIGH" or "LOW"?}
    D14 -- "H" --> D15{Is pin ① of CN702 at "HIGH" or "LOW"?}
    D15 -- "H" --> F9[Inner track limit switch is defective or disconnected]
    D15 -- "L" --> D16{Are there outputs pins ⑮ and ⑯ of IC703?}
    D16 -- OK --> F10[Traverse deck failure]
    D16 -- NG --> D17{Is there an output at pin ⑮ of IC702? (TRV)}
    D17 -- OK --> F11[IC703 failure]
    D17 -- NG --> D18{Are there outputs at pins ⑮ and ⑯ of IC703?}
    D18 -- OK --> F12[IC703 failure]
    D18 -- NG --> D19{Is there an output at pin ⑮ of IC702? (FOD)}
    D19 -- OK --> F13[IC703 failure]
    D19 -- NG --> F14[IC702 failure]
    D13 -- At inner track --> D20{Is pin ① of CN702 at "HIGH" or "LOW"?}
    D20 -- "L" (0 V) --> F15[Inner track limit switch is defective or disconnected]
    D20 -- "H" --> D21{Are there outputs at pins ⑮ and ⑯ of IC703?}
    D21 -- OK --> F16[Traverse deck failure]
    D21 -- NG --> D22{Is there an output at pin ⑮ of IC702? (FOD)}
    D22 -- OK --> F17[IC703 failure]
    D22 -- NG --> F18[IC702 failure]
    D12 -- Optical pickup moves toward inner track once, and then toward outer track slightly (2 or 3 mm). --> D23{Does lens make vertical movements?}
    D23 -- YES --> D24{Does laser diode come on?}
    D24 -- YES --> S2[Load the test disc]
    S2 --> S3[Turn on close switch (S790)]
    S3 --> D25{Check pin ⑧ of IC701 (RFDET)}
    D25 -- Remains at "H" --> D26{Check pin ⑩ of CN702 (FLOCK)}
    D26 -- Remains at "H" --> F19[IC702 failure]
    D26 -- Changes from "H" or "L" --> F20[IC703 failure]
    D25 -- Charges from "H" or "L" --> D27{Check pin ⑫ of IC701 (FE)}
    D27 -- No waveform or upper and lower amplitudes are not equal. --> F21[Optical pickup failure]
    D27 -- Upper and lower amplitudes of waveform are equal. --> F22[IC701 failure]
    D24 -- NO --> D28{Measure voltage across R701.}
    D28 -- Below 0.4 V --> F23[Optical pickup failure]
    D28 -- Above 0.4 V --> D29{Measure voltage between ⑧ and ⑩ of Q701.}
    D29 -- Above 0.6 V --> F24[Q701 or optical pickup is defective.]
    D29 -- Below 0.6 V --> F25[IC701 failure]
  
```

■ FUNCTION OF IC TERMINALS

●IC603 (M50253P) (The same IC is employed in IC305 and IC603.)

Pin No.	Terminal Name	I/O	Function																									
1	GND	—	GND																									
2	AG DATA	I	AG data signal input																									
3	AG CLK1	I	AG clock signal input																									
4	CD L	O	Function control signal output <table><tr><th>Pin No.</th><th>CD</th><th>TAPE</th><th>TUNER</th><th>AUX</th></tr><tr><td>4</td><td>L</td><td>H</td><td>H</td><td>H</td></tr><tr><td>5</td><td>H</td><td>L</td><td>H</td><td>H</td></tr><tr><td>6</td><td>H</td><td>H</td><td>L</td><td>H</td></tr><tr><td>7</td><td>H</td><td>H</td><td>H</td><td>L</td></tr></table>	Pin No.	CD	TAPE	TUNER	AUX	4	L	H	H	H	5	H	L	H	H	6	H	H	L	H	7	H	H	H	L
Pin No.	CD		TAPE	TUNER	AUX																							
4	L		H	H	H																							
5	H		L	H	H																							
6	H		H	L	H																							
7	H	H	H	L																								
5	TAPE L																											
6	TUNER L																											
7	AUX L																											
8	MONO/ STEREO	O	<table><tr><th>AM</th><th>FM STEREO</th><th>FM MONO</th></tr><tr><td>H</td><td>L</td><td>H</td></tr></table>	AM	FM STEREO	FM MONO	H	L	H																			
AM	FM STEREO	FM MONO																										
H	L	H																										
9	VOLATT	O	Electric volume muting (−10 dB)																									

●IC305 (M50253P) (The same IC is employed in IC305 and IC603.)

Pin No.	Terminal Name	Function								
1	VSS	GND								
2	DATA	Deck control data input								
3	CLK	Deck control clock input								
4	TAPE L	Function select (at "TAPE" position) <table><tr><td>CD</td><td>TAPE</td><td>TUNER</td><td>AUX</td></tr><tr><td>"HIGH"</td><td>"LOW"</td><td>"HIGH"</td><td>"HIGH"</td></tr></table>	CD	TAPE	TUNER	AUX	"HIGH"	"LOW"	"HIGH"	"HIGH"
CD	TAPE	TUNER	AUX							
"HIGH"	"LOW"	"HIGH"	"HIGH"							
5	HI SP	High speed editing control								
6	DOLBY	Not used								
7	BP H	Beat proof control signal output								

Pin No.	Terminal Name	I/O	Function														
10	TOP OPEN	O	Cobra top open/close														
11	TOP CLS																
			<table><tr><th>Pin No.</th><th>CLOSE</th><th>OPEN</th><th>BRAKE</th><th>OUTPUT OPEN</th></tr><tr><td>10</td><td>L</td><td>H</td><td>H</td><td>L</td></tr><tr><td>11</td><td>H</td><td>L</td><td>H</td><td>L</td></tr></table>	Pin No.	CLOSE	OPEN	BRAKE	OUTPUT OPEN	10	L	H	H	L	11	H	L	H
Pin No.	CLOSE	OPEN	BRAKE	OUTPUT OPEN													
10	L	H	H	L													
11	H	L	H	L													
12	ATT0	O	ATLS position														
13	ATT1																
			<table><tr><th>Pin No.</th><th>+3 dB</th><th>0 dB</th><th>−3 dB</th><th>−6 dB</th></tr><tr><td>12</td><td>L</td><td>H</td><td>L</td><td>H</td></tr><tr><td>13</td><td>L</td><td>L</td><td>H</td><td>H</td></tr></table>	Pin No.	+3 dB	0 dB	−3 dB	−6 dB	12	L	H	L	H	13	L	L	H
Pin No.	+3 dB	0 dB	−3 dB	−6 dB													
12	L	H	L	H													
13	L	L	H	H													
14	LD CLOSE	O	Disc tray open/close														
15	LD OPEN																
			<table><tr><th>Pin No.</th><th>CLOSE</th><th>OPEN</th><th>BRAKE</th><th>OUTPUT OPEN</th></tr><tr><td>14</td><td>L</td><td>H</td><td>H</td><td>L</td></tr><tr><td>15</td><td>H</td><td>L</td><td>H</td><td>L</td></tr></table>	Pin No.	CLOSE	OPEN	BRAKE	OUTPUT OPEN	14	L	H	H	L	15	H	L	H
Pin No.	CLOSE	OPEN	BRAKE	OUTPUT OPEN													
14	L	H	H	L													
15	H	L	H	L													
16	VDD	I	+5 V														

Pin No.	Terminal Name	Function
8	DMT	Deck muting control signal output
9	AGC OFF	AGC OFF control signal output
10	1H	Playback head select signal output
11	REC	Recording control signal output
12	2M	DECK 2 motor control signal output
13	1M	DECK 1 motor control signal output
14	2PL	DECK 2 plunger control signal output
15	1PL	DECK 1 plunger control signal output
16	VDD	+5 V

●IC701 (AN8802SCE1V)

Pin No.	Terminal Name	I/O	Function
1	PDAD	I	PD A channel signal input with delay
2	PDA	I	PD A channel signal input without delay
3	LPD	I	Laser PD connection
4	LD	O	Power supply for LD driving
5	AMPI	I	RF amplifier input
6	V _{cc}	I	Power supply connection
7	AMPO	O	RF amplifier output (no use, open)
8	CAGC	I	AGC loop filter connection
9	ARF	O	RF AGC output
10	CENV	I	Capacitor connection for RF detection
11	CEA	I	Capacitor connection for HPF amplifier
12	GND	—	Ground connection
13	LDON	I	ON/OFF input of LD APC ("H": ON, "L": OFF)
14	TES	I	Tracking error shunt signal input ("H": shunt)
15	PLAY	I	Play signal input ("H": PLAY)
16	WVEL	I	WVEL control
17	BDO	O	BDO output
18	/RFDET	O	NRFDET output
19	CROSS	O	CROSS output
20	OFTR	O	OFTR output
21	VDET	O	VDET output
22	ENV	O	ENV output
23	TEBPF	I	Vibration detection input
24	TE	O	Tracking error output
25	FE	O	Focus error output
26	PTO	O	Potential amplifier output (no use, open)
27	PTI	I	Potential amplifier inversion input (no use, open)
28	TBAL	I	Tracking balance input
29	FBAL	I	Focus balance input
30	VREF	O	VREF output
31	PDB	I	PD B channel signal input without delay
32	PDBD	I	PD B channel signal input with delay

●IC702 (MN66271RA)

Pin No.	Terminal Name	I/O	Function
1	BCLK	O	Bit clock output for serial data (no used, open)
2	LRCK	O	L/R identification signal output (no use, open)
3	SRDATA	O	Serial data output (no used, open)
4	DV _{DD1}	I	Power supply input (for digital circuit)
5	DV _{SS1}	—	GND (for digital circuit)
6	TX	O	Digital audio interface signal output
7	MCLK	I	Microprocessor command clock signal input (Latches data at first transition)
8	MDATA	I	Microprocessor command data signal input
9	MLD	I	Microprocessor command load signal input
10	SENSE	O	Sence signal output (OFT, FESL, MAGEND, NAJEND, POSAD, SFG)
11	/FLOCK	O	Focus servo feeding signal output ("L": Feed)
12	/TLOCK	O	Tracking servo feeding signal/output ("L": Feed)
13	BLKCK	O	Sub-code block clock signal output (fBLKCK=75 Hz during normal playback)
14	SQCK	I	External clock signal input for sub-code Q register
15	SUBQ	O	Sub-code Q code output
16	DMUTE	I	Muting input ("H": Mute)
17	STAT	O	Status signal output (CRC, CUE, CLVS, TTSTVP, FCLV, SQCK)
18	/RST	I	Reset input
19	SMCK	O	1/2-divided clock signal of crystal oscillating at MSEL="H" (fSMCK=8.4672 MHz) 1/4-divided clock signal of crystal oscillating at MSEL="L" (fSMCK=4.2336 MHz)
20	PMCK	O	1/192-divided clock signal of crystal oscillating (fPMCK=88.2 KHz (no use, open)
21	TRV	O	Traverse forced feed output
22	TVD	O	Traverse drive output
23	PC	O	Spindle motor ON signal output ("L": ON)
24	ECM	O	Spindle motor drive signal output (forced mode output)
25	ECS	O	Spindle motor drive signal output (servo error signal output)
26	KICK	O	Kick pulse output
27	TRD	O	Tracking drive output
28	FOD	O	Focus drive output

Pin No.	Terminal Name	I/O	Function
29	VREF	I	D/A (drive) output (TVD, ECS, TRD, FOD, FBAL, TBAL) Reference voltage input
30	FBAL	O	Focus balance adjustment output (no use, open)
31	TBAL	O	Tracking balance adjustment output
32	FE	I	Focus error signal input (analog input)
33	TE	I	Tracking error signal input (analog input)
34	RFENV	I	RF envelope signal input
35	VDET	I	Vibration detection signal input ("H": detection)
36	OFT	I	Off-track signal input ("H": off track)
37	TRCRS	I	Track cross signal input
38	/RFDET	I	RF detection signal input ("L": detection)
39	BDO	I	Dropout signal input ("H": Dropout)
40	LDON	O	Laser on signal output ("H": ON)
41	TES	O	Tracking error shunt signal output ("H": shunt)
42	PLAY	O	Play signal out ("H": PLAY)
43	WVEL	O	Double speed status signal output ("H": Double speed)
44	ARF	I	RF signal input
45	IREF	I	Reference current input
46	DRF	I	DSL bias (no use, open)
47	DSLIF	I/O	DSL loop filter
48	PLLIF	I/O	PLL loop filter
49	VCOF	I/O	VCO loop filter (no use, open)
50	AV _{DD} 2	I	Power supply input (for analog circuit)
51	AV _{SS} 2	—	GND (for analog circuit)
52	EFM	O	EFM signal output (not use, open)
53	PCK	O	PLL extraction clock output (fPCK=4.321 MHz during normal playback) (no use, open)
54	PDO	O	Phase comparison signal of EFM and PCK signals (no use, open)
55	SUBC	O	Sub-code serial data output (no use, open)
56	SBCK	I	Clock input for sub-code serial data (no use, open)
57	V _{SS}	—	GND
58	X1	I	Crystal oscillating circuit input (f=16.9344 MHz)
59	X2	O	Crystal oscillation circuit output (f=16.9344 MHz)
60	V _{DD}	I	Power supply input (for oscillating circuit)
61	BYTCK	O	Byte clock output (no use, open)

Pin No.	Terminal Name	I/O	Function
62	/CLDCK	O	Sub-code frame clock signal output (fCLDCK=7.35 kHz during normal playback)
63	FCLK	O	Crystal frame clock signal output (fFCLK=7.35 kHz, double=14.7 kHz)
64	PFLAG	O	Interpolation flag output ("H": Interpolation) (no use, open)
65	FLAG	O	Flage output (no use, open)
66	CLVS	O	Spindle servo phase synchronizing signal output ("H": CLV, "L": rough servo) (no use, open)
67	CRC	O	Sub-code CRC checked output ("H": OK, "L": NG) (no use, open)
68	DEMPH	O	De-emphasis ON signal output ("H": ON) (no use, open)
69	RESY	O	Frame resynchronizing signal output (no use, open)
70	/RST2	I	Reset input through MASH circuit ("L": Reset)
71	/TEST	I	Test input
72	AV _{DD} 1	I	Power supply input (for analog circuit)
73	OUTL	O	Left channel audio signal output
74	AV _{SS} 1	—	GND
75	OUTR	O	Right channel audio signal output
76	RSEL	I	RF signal polarity assignment input (at "H" level, RSEL="H"; at "L" level, RSEL=L)
77	CSEL	I	Crystal oscillating frequency designation input ("L": 16.9344 MHz, "H": 33/8688 MHz)
78	PSEL	I	Test input (normally, "L") (no use, open)
79	MSEL	I	Output frequency switching for SMCK terminal "H": SMCK=8.4672 MHz "L": SMCK=4.2336 MHz (no use, open)
80	SSEL	I	Output mode switching of SUBQ terminal ("H": Q code buffer mode)

●IC801 (MND2410READ)

Pin No.	Mark	I/O Division	Function
1	VDD	I	+5 V
2	OSC2	O	Clock output (4 MHz)
3	OSC1	I	Clock input (4 MHz)
4	VSS	—	GND
5	XI	I	Clock input (32 kHz)
6	XO	O	Clock output (32 kHz)
7	VREF-	I	AD converter reference voltage (GND)
8	ADIN7	I	AD converter input (Tape deck switch)
9	ADIN6	I	AD converter input (Tape deck switch)
10	ADIN5	I	AD converter input (Tape deck switch)
11	ADIN4	I	AD converter input (Cobra top open/close)
12	ADIN3	I	AD converter input (Equalizer switch)
13	ADIN2	I	AD converter input (Deck operation switch)
14	ADIN1	I	AD converter input (CD operation switch)
15	ADIN0	I	AD converter input (Operation switch)
16	VREF+	I	AD converter reference voltage (VDD)
17	JOG IN2	I	Jog dial signal input 2
18	JOG IN1	I	Jog dial signal input 1
19	BEEP	O	Beep signal output
20	LUTCH	O	Electric volume control signal output
21	MKDATA	O	Deck control signal output
22	MKCLK	O	Deck control signal output
23	AGCLK	O	Audio signal control clock output
24	AGDATA	O	Audio signal control data output
25	SPCLK	—	GND
26	POWER CONT	O	Power supply circuit control
27	MUTEA	O	Muting control signal output
28	P2	—	GND
29	AGCLK2	O	Audio signal control clock output 2

Pin No.	Mark	I/O Division	Function
30	AGCLK3	O	Audio signal control clock output 3
31	REMOCON IN	I	Remote control signal input
32	BLKCK	I	Sub code block clock input
33	STATUS	I	CD status signal input
34	CD RESET	I	CD reset signal input
35	RST	I	System reset signal input
36	MLD/PLL CL	I/O	CD signal process strove signal input/PLL tuner clock signal output
37	MDAT/PLL CE	I/O	CD signal process data signal input/PLL tuner strove signal output
38	MCLK/PLL DI	I/O	CD signal process clock signal input/PLL tuner data signal output
39	CLDCK	O	CD sub-code clock output
40	SUBQ	I	CD sub-code data input
41	—	—	—
42	—	—	—
43	CM	—	GND
44	TLOCK/TUNED	I	CD tracking signal input/PLL tuner tuning signal input
45	FLOCK/STEREO	I	CD focus lock signal input/PLL tuner stereo signal input
46	REST	I	Rest switch signal input
47	CD OPEN SW	I	Disc tray open detection switch
48	CD CLOSE SW	I	Disc tray close detection switch
49	SENSE	I	CD sense signal input
50	REM STBY	I	Remote control sensor power control
51	POWER DET	I	Power detection signal input
52~93	SEG41~SEG0	O	LCD segment signal output
94~97	COM3~COM0	O	LCD common signal output
98	VLC3	I	LCD bias reference voltage input 3
99	VLC2	I	LCD bias reference voltage input 2
100	VLC1	I	LCD bias reference voltage input 1

■ BLOCK DIAGRAM

●IC703 (AN8389SE1)

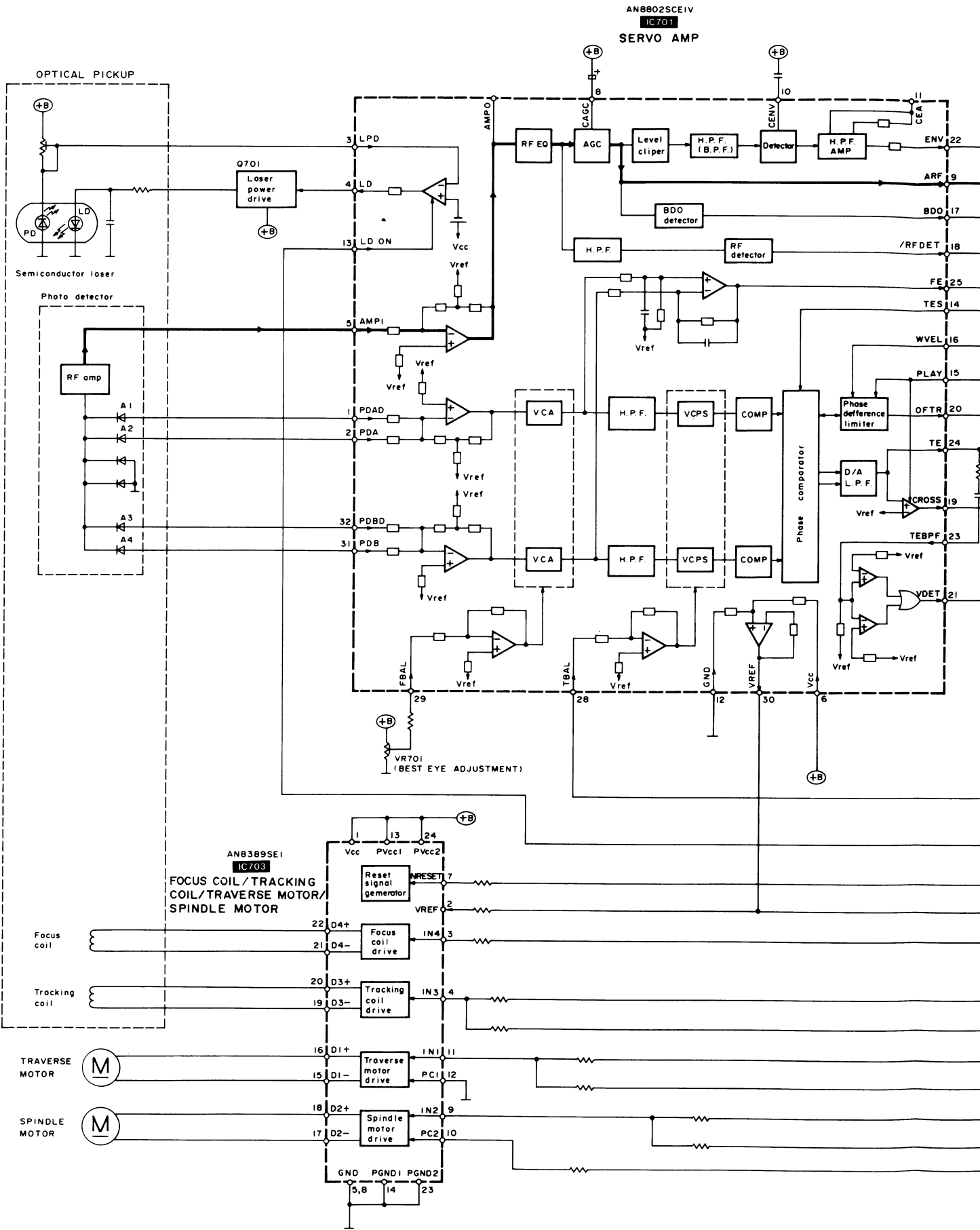
Pin No.	Terminal Name	I/O	Function
1	Vcc	I	Power supply
2	VREF	I	VREF input
3	IN4	I	Motor driver (4) input
4	IN3	I	Motor driver (3) input
5	GND	—	Ground connection
6	NC	—	No connection
7	NRESET	I	Reset input
8	GND	—	Ground connection
9	IN2	I	Motor driver (2) input
10	PC2	I	PC2 (power cut) input
11	IN1	I	Motor driver (1) input
12	PC1	I	PC1 (power cut) input (no use, open)

Pin No.	Terminal Name	I/O	Function
13	PVcc1	I	Power supply (1) for driver
14	PGND1	—	Ground connection (1) for driver
15	D1—	O	Motor driver (1) reverse-action output
16	D1+	O	Motor driver (1) forward-action output
17	D2—	O	Motor driver (2) reverse-action output
18	D2+	O	Motor driver (2) forward-action output
19	D3—	O	Motor driver (3) reverse-action output
20	D3+	O	Motor driver (3) forward-action output
21	D4—	O	Motor driver (4) reverse-action output
22	D4+	O	Motor driver (4) forward-action output
23	PGND2	—	Ground connection (2) for driver
24	PVcc2	I	Power supply (2) for driver

●IC805 (BU2040F-T2)

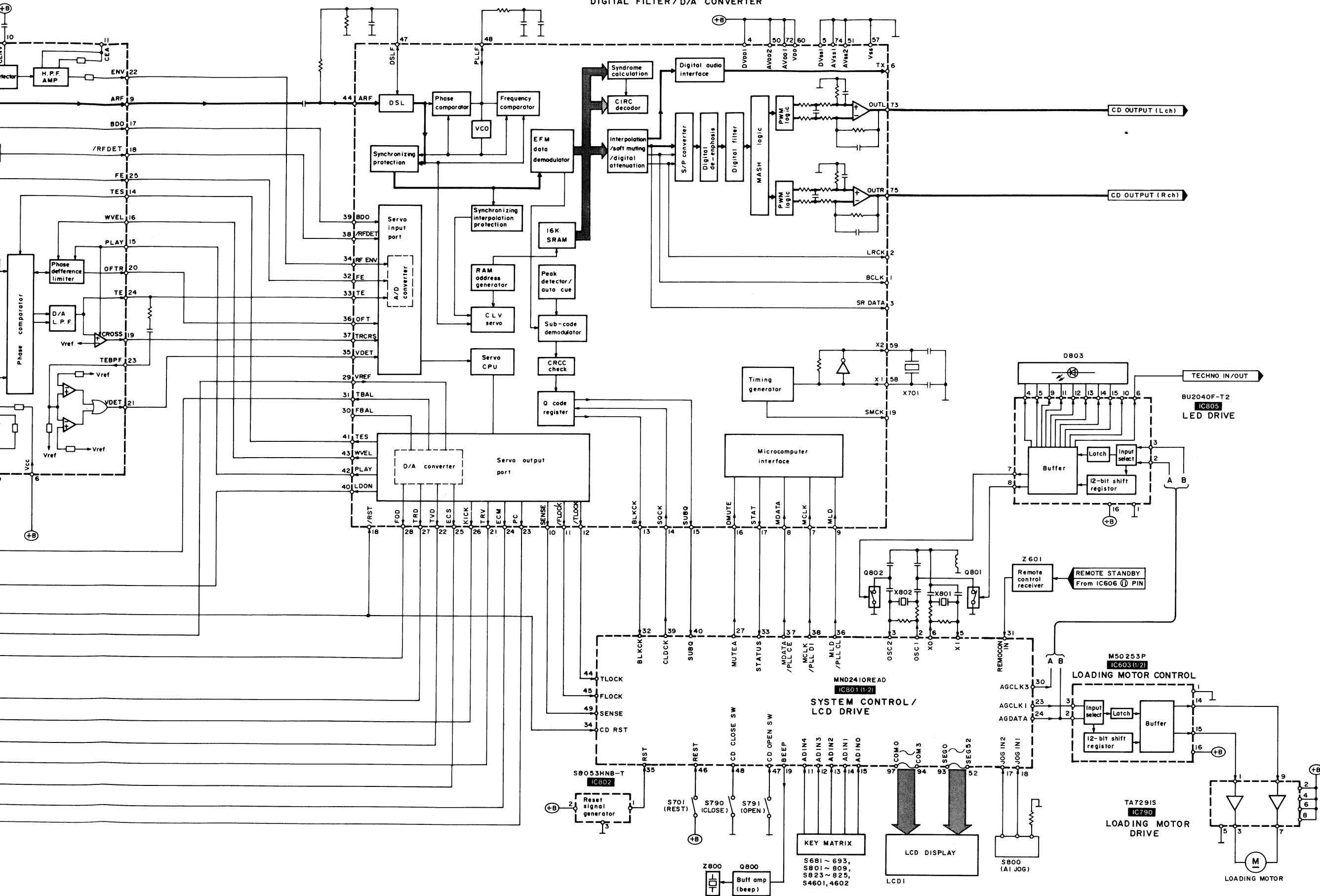
Pin No.	Terminal Name	I/O	Function
1	GND	—	GND
2	AGDATA	I	Data input
3	AGCLK3	I	Clock input
4	TECHNO	O	Surround LED drive signal output
5	FLAT	O	Preset tone LED drive signal output
6	TECHNO IN/OUT	I/O	Surround IN/OUT (IN=L)
7	BP2	O	Beat proof control (bit 2)
8	BP1	O	Beat proof control (bit 1)

Pin No.	Terminal Name	I/O	Function
9	ST/EDIT	O	STEREO (Tuner)/EDIT (CD) LED drive signal output
10	Q6	—	—
11	LINK	O	LINK (CD) LED drive signal output
12	VOCAL	O	“VOCAL” LED drive signal output
13	SOFT	O	“SOFT” LED drive signal output
14	CLEAR	O	“CLEAR” LED drive signal output
15	HEAVY	O	“HEAVY” LED drive signal output
16	VDD	I	+5 V



MN66271RA
IC702

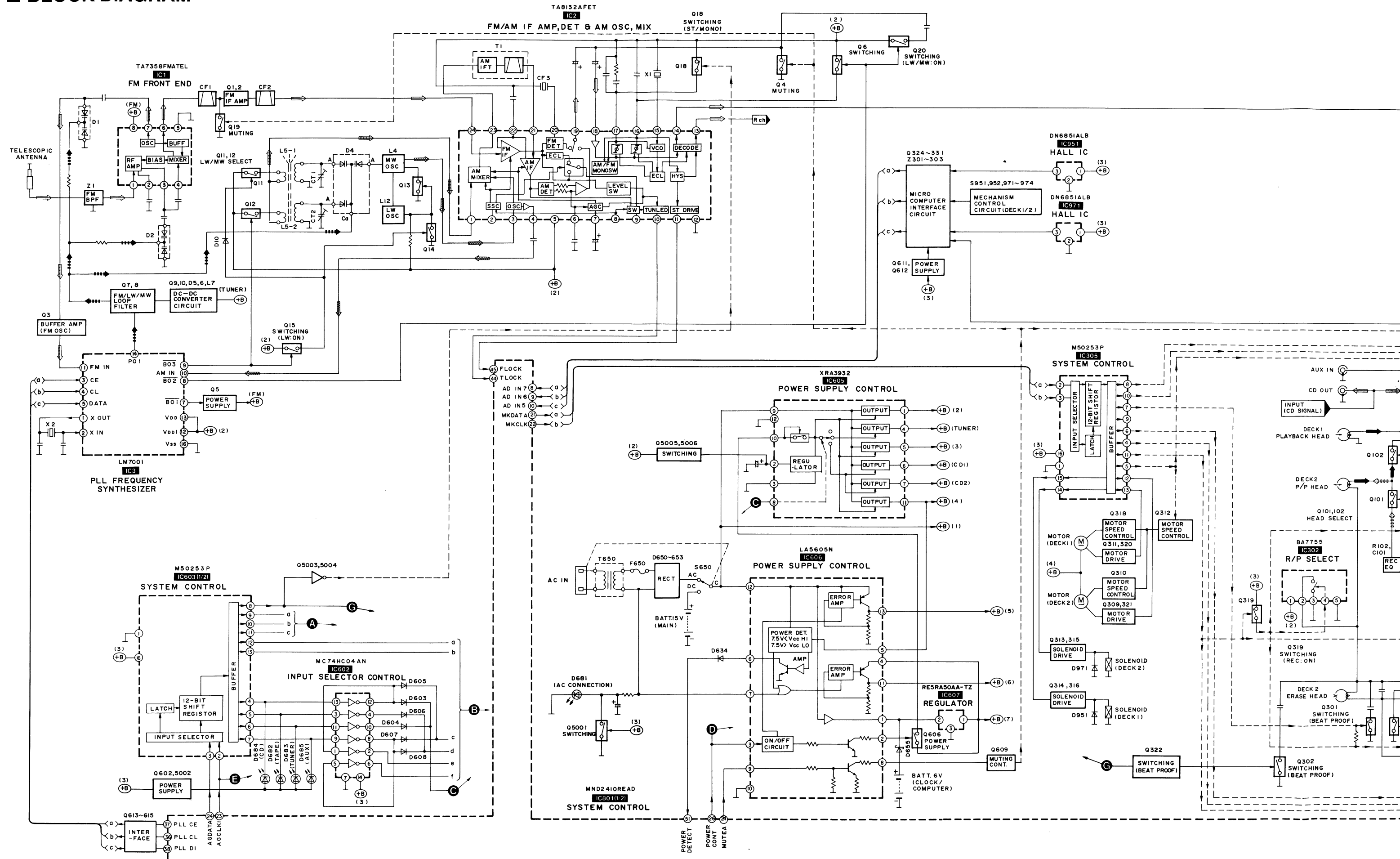
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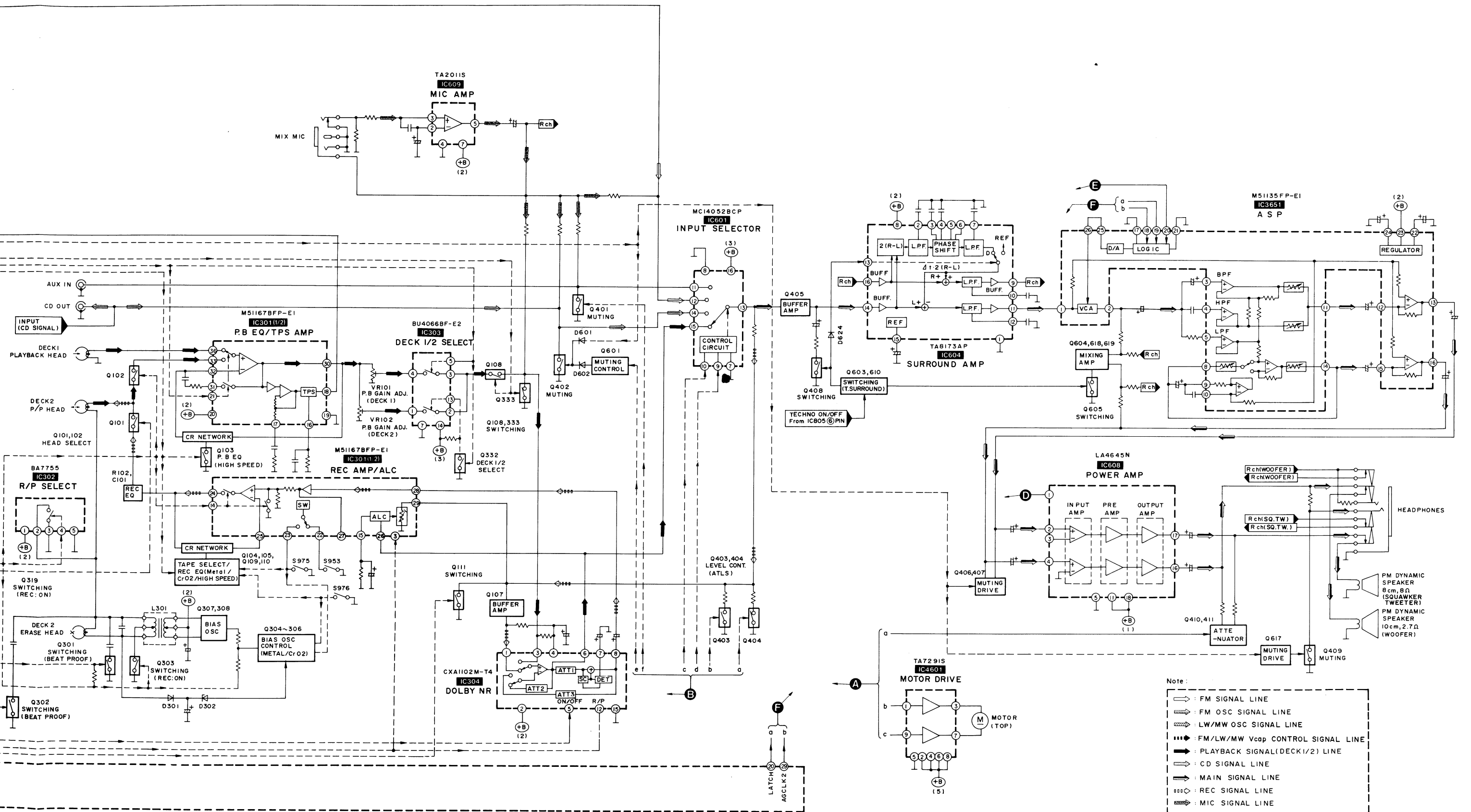


■ BLOCK DIAGRAM

RX-DT707

RX-DT707





■ REPLACEMENT PARTS LIST

Notes: *Important safety notice:

Components identified by Δ mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

*The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)

Parts without these indications can be used for all areas.

*Remote Control Ass'y:

Supply period for three years from termination of production.

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)		Q101, 102	2SJ40CDTA	TRANSISTOR	
				Q103-105	UN4210-S	TRANSISTOR	
				Q107	2SC1740SLNET	TRANSISTOR	
IC1	TA7358FMATEL	I. C, FM FRONT END		Q108	2SJ40CDTA	TRANSISTOR	
IC2	TA8132AFET	I. C, FM/AM IF AMP		Q109-111	UN4210-S	TRANSISTOR	
IC3	LM7001	I. C, PLL FREQ. SYNTHESIZER		Q201, 202	2SJ40CDTA	TRANSISTOR	
IC301	M51167BFP-E1	I. C, P. B. EQ/REC AMP		Q203-205	UN4210-S	TRANSISTOR	
IC302	BA7755	I. C, R/P SELECT		Q207	2SC1740SLNET	TRANSISTOR	
IC303	BU4066BF-E2	I. C, DECK 1/2 SELECT		Q208	2SJ40CDTA	TRANSISTOR	
IC304	CXA1102M-T4	I. C, DOLBY NR		Q209-211	UN4210-S	TRANSISTOR	
IC305	M50253P	I. C, SYSTEM CONTROL		Q301, 302	2SC2389SSTA	TRANSISTOR	
IC601	MC14052BCP	I. C, INPUT SELECTOR		Q303	2SD1450RTA	TRANSISTOR	
IC602	MC74HC04AN	I. C, INPUT SELECTOR		Q304, 305	UN4210-S	TRANSISTOR	
IC603	M50253P	I. C, SYSTEM CONTROL		Q306	2SC3311R	TRANSISTOR	
IC604	TA8173AP	I. C, SURROUND AMP		Q307, 308	2SD1450RTA	TRANSISTOR	
IC605	XRA3932	I. C, POWER SUPPLY CONTROL	Δ	Q309	2SD965Q	TRANSISTOR	
IC606	LA5605N	I. C, POWER SUPPLY CONTROL		Q310	2SK381BCDTA	TRANSISTOR	
IC607	RE5RA50AA-T2	I. C, REGULATOR	Δ	Q311	2SD965Q	TRANSISTOR	
IC608	LA4645N	I. C, POWER AMP		Q312	UN4210-S	TRANSISTOR	
IC609	TA2011S	I. C, MIC AMP		Q313, 314	2SB1030QTA	TRANSISTOR	
IC701	AN8802SCE1V	I. C, SERVO AMP		Q315, 316	UN4215	TRANSISTOR	
IC702	MN66271RA	I. C, SERVO PROCESSOR		Q318	2SK381BCDTA	TRANSISTOR	
IC703	AN8389SE1	I. C, MOTOR DRIVE		Q319-321	UN411FTA	TRANSISTOR	
IC790	TA7291S	I. C, MOTOR DRIVE		Q322	UN4214TA	TRANSISTOR	
IC801	MND2410READ	I. C, SYSTEM CONTROL		Q324-328	2SC3311R	TRANSISTOR	
IC802	S8053HNB-T	I. C, RESET		Q329	UN4215	TRANSISTOR	
IC805	BU2040F-T2	I. C, LED DRIVE		Q330, 331	2SC3311R	TRANSISTOR	
IC951	DN6851ALB	I. C, HALL		Q332	UN4213	TRANSISTOR	
IC971	DN6851ALB	I. C, HALL		Q333	UN4210-S	TRANSISTOR	
IC3651	M51137FP-E1	I. C, ASP		Q401-404	2SC3311AIRTA	TRANSISTOR	
IC4601	TA7291S	I. C, MOTOR DRIVE		Q405	2SC3312RTA	TRANSISTOR	
				Q406, 407	2SC3311AISTA	TRANSISTOR	
		TRANSISTOR(S)		Q408	2SC3311AIRTA	TRANSISTOR	
				Q409	2SD1450RTA	TRANSISTOR	
Q1, 2	2SC3313B	TRANSISTOR		Q410, 411	2SC3311AIRTA	TRANSISTOR	
Q3	2SC2786LTA	TRANSISTOR		Q501-504	2SC3311AIRTA	TRANSISTOR	
Q4	2SC3311R	TRANSISTOR		Q505	2SC3312RTA	TRANSISTOR	
Q5, 6	RVTDTA143XST	TRANSISTOR		Q506, 507	2SC3311AISTA	TRANSISTOR	
Q7-9	2SC3311R	TRANSISTOR		Q508	2SC3311AIRTA	TRANSISTOR	
Q10	2SC3311R	TRANSISTOR		Q509	2SD1450RTA	TRANSISTOR	
Q11, 12	2SA1309R	TRANSISTOR		Q510, 511	2SC3311AIRTA	TRANSISTOR	
Q13, 14	2SC3311R	TRANSISTOR		Q601	UN4111	TRANSISTOR	
Q15	RVTDTA143XST	TRANSISTOR		Q602	2SC3311AIRTA	TRANSISTOR	
Q18	2SK381CTA	TRANSISTOR		Q603	UN4111	TRANSISTOR	
Q19	RVTDTA114TST	TRANSISTOR		Q604	2SC3312RTA	TRANSISTOR	
Q20	RVTDTA143XST	TRANSISTOR		Q605	2SC3311AIRTA	TRANSISTOR	

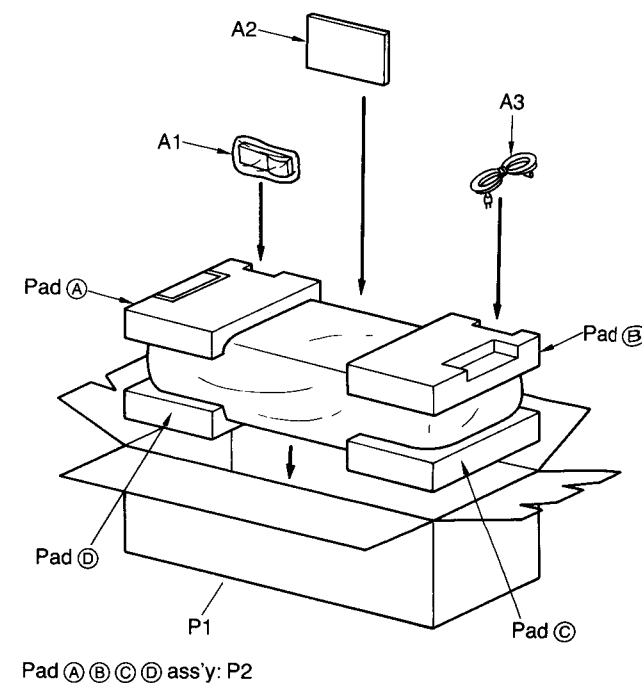
Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
Q606	UN411FTA	TRANSISTOR		VR201	RRN6B05B24TA	V. R, DOLBY Rch	DECK1
Q609	RVTDTA123JST	TRANSISTOR		VR202	RRN6B05B24TA	V. R, DOLBY Rch	DECK2
Q611	UN411FTA	TRANSISTOR		VR301	RRN6B05B14TA	V. R, TAPE SPEED HIGH	DECK2
Q612	UN4213	TRANSISTOR		VR302	RRN6B05B24TA	V. R, TAPE SPEED NORMAL	DECK2
Q613-616	RVTDTA143EST	TRANSISTOR		VR303	RRN6B05B73TA	V. R, TAPE SPEED NORMAL	DECK1
Q617	UN4111	TRANSISTOR		VR701	EVNDXAA00B14	V. R, BEST EYE ADJ.	
Q618, 619	2SC3312RTA	TRANSISTOR				COMPONENT COMBINATION(S)	
Q701	2SB709S	TRANSISTOR					
Q800-802	2SC3311R	TRANSISTOR		Z1	RXABPWB6A	COMPONENT COMBINATION	
Q5001	UN421FTA	TRANSISTOR		Z301-303	EXBF6L306SYV	COMPONENT COMBINATION	
Q5002	RVTDTA123JST	TRANSISTOR		Z601	RCDGP1U58YD	RECIVER	
Q5003	UN4213	TRANSISTOR		Z800	RAT0008	BUZZER	
Q5004	UN4113TA	TRANSISTOR				COIL(S)	
Q5005	UN4214TA	TRANSISTOR					
Q5006	2SA1309AIRTA	TRANSISTOR					
		DIODE(S)		L3	RLQZP4R7KT-Y	COIL	
				L4	RL02B001-T	COIL	
D1, 2	1SV147T4MATU	DIODE		L5	RLV6C003-0	COIL	
D3	MA4051MTA	DIODE		L7	RL09B18-M	COIL	
D4	RVDKV1235ZB	DIODE		L8, 9	RLQZP221KT-Y	COIL	
D5	MA4130M	DIODE		L12	RL01B001-T	COIL	
D6	MA165	DIODE		L15	RLQZP221KT-Y	COIL	
D10	MA165	DIODE		L17	RLQZP4R7KT-Y	COIL	
D301	MA165	DIODE		L102	RLM2B005-1M	COIL	
D302	RVDMTZ4R7BTA	DIODE		L202	RLM2B005-1M	COIL	
D303, 304	MA165	DIODE		L301	RL08C002M-T	COIL	
D601-609	MA165	DIODE		L302, 303	RLQZB470KT-D	COIL	
D611-618	MA165	DIODE		L601	RLQZV101KT-D	COIL	
D619	RVDMTZ6R8BTA	DIODE	Δ	L602	RLQZB470KT-D	COIL	
D620, 621	MA165	DIODE		L650, 651	RLL500050T-Y	COIL	Δ
D623, 624	MA165	DIODE		L800-802	ELEXT2R2KA9	COIL	
D626, 627	MA165	DIODE		L806	ELEXT2R2KA9	COIL	
D630	RB441QT77	DIODE		L807	RLL500050T-Y	COIL	
D632	RVDMTZ6R8BTA	DIODE	Δ	L823	ELEXT101KA9	COIL	
D634	MA165	DIODE		L828	ELEXT2R2KA9	COIL	
D640	RVDMTZ6R8BTA	DIODE		L4601, 4602	RLQZV101KT-D	COIL	
D650-653	1N5402B-M21	DIODE	Δ	L5001-5007	RLL500050T-Y	COIL	
D655	1SS293TPE4	DIODE		L5008	RLQZB221KT-D	COIL	
D681-685	LN051583P	LED		L5009, 5010	RLQZB101KT-D	COIL	
D692	MA165	DIODE		L5011, 5012	RLL500050T-Y	COIL	
D800	MA4240H	DIODE				TRANSFORMER(S)	
D801	MA165	DIODE					
D803	LN088584P	DIODE		T1	RL12B007-T	TRANSFORMER	
D828	MA165	DIODE		T650	RTP1L1B005	POWER TRANSFORMER	Δ
D951	RVD1SS133TA	DIODE				FILTER(S)	
D971	RVD1SS133TA	DIODE					
		VARIABLE RESISTOR(S)					
				CF1, 2	RLFFETMLA02D	CERAMIC FILTER	
VR101	RRN6B05B24TA	V. R, DOLBY Lch	DECK1	CF3	RLFDFTA01D	CERAMIC FILTER	
VR102	RRN6B05B24TA	V. R, DOLBY Lch	DECK2				

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		OSCILLATOR(S)		S953	RSH1A90YC-U	SW, TAPE SELECT (DECK1)	
				S971	RSH1A89ZD-U	SW, MODE DETECT (DECK2)	
X1	RSXZ456KM01	OSCILLATOR		S972	RSH1A90YC-U	SW, HALF DETECT (DECK2)	
X2	RSXC7M20S03	OSCILLATOR		S973	RSH1A90YC-U	SW, R. REC INH (DECK2)	
X701	RSXZ16M9M02T	OSCILLATOR (16.934MHz)		S974	RSH1A90YC-U	SW, F. REC INH (DECK2)	
X801	RSXD32K7S03	OSCILLATOR		S975	RSH1A90YC-U	SW, ATS/Cr02 (DECK2)	
X802	RVBCSA3R9MGT	OSCILLATOR		S976	RSH1A90YC-U	SW, ATS/METAL (DECK2)	
		SWITCH(ES)		S4601	RSH1A015-U	SW, TOP OPEN DETECT	
				S4602	RSH1A015-U	SW, TOP CLOSE DETECT	
S650	RJJ1SE01-H	SW, AC/DC (JK650)	△			CONNECTOR (S)	
S681	EVQ21405R	SW, CD OPEN/CLOSE		CN701	RJU035T016-1	SOCKET (16P)	
S682	EVQ21405R	SW, TOP OPEN/CLOSE		CN702	RJS1A6723-1Q	SOCKET (23P)	
S683	EVQ21405R	SW, VOL (+)		CP1	RJT028W008-2	CONNECTOR (8P)	
S684	EVQ21405R	SW, VOL (-)		CP11	RJT057W007-1	CONNECTOR (7P)	
S685	EVQ21405R	SW, OPERATION		CP21	RJT057W006-1	CONNECTOR (6P)	
S686	EVQ21405R	SW, CD STOP		CP301	RJP5G182A	CONNECTOR (5P)	
S687	EVQ21405R	SW, CD PLAY		CP302	SJTD413	CONNECTOR (4P)	
S688	EVQ21405R	SW, BAND		CP307	RJT028W010-2	CONNECTOR (10P)	
S689	EVQ21405R	SW, FWD PLAY		CP309	RJT028W009-2	CONNECTOR (9P)	
S690	EVQ21405R	SW, REV PLAY		CP605	RJT060B08	CONNECTOR (8P)	
S691	EVQ21405R	SW, TAPE STOP		CP650	RJT029W004	CONNECTOR (4P)	
S692	EVQ21405R	SW, FWD FAST/TPS		CP651A	RTJ029W03V	CONNECTOR (3P)	
S693	EVQ21405R	SW, REV FAST/TPS		CP651	RJT057W008-1	CONNECTOR (8P)	
S701	RSM0006-P	SW, REST		CP652	RJT057W009-1	CONNECTOR (9P)	
S790	RSH1A005	SW, LOADING CLOSE DETECT		CP681	RJT028W010-2	CONNECTOR (10P)	
S791	RSH1A005	SW, LOADING OPEN DETECT		CP790	RJP6G17ZA	CONNECTOR (6P)	
S800	EVQMPHF0512B	SW, AI JOG		CP3071	RJT057W010-1	CONNECTOR (10P)	
S801	EVQ21405R	SW, SET		CP3091	RJT057W009-1	CONNECTOR (9P)	
S802	EVQ21405R	SW, CANCEL		CS2	RJT028W007-2	CONNECTOR (7P)	
S803	EVQ21409K	SW, TIMER/CLOCK		CS12	RJU057W007	CONNECTOR (7P)	
S804	EVQ21409K	SW, SLEEP		CS13	RJU028W008-1	CONNECTOR (8P)	
S805	EVQ21409K	SW, REC-TIMER		CS22	RJU057W006	CONNECTOR (6P)	
S806	EVQ21409K	SW, PLAY-TIMER		CS23	RJU028W007-1	CONNECTOR (7P)	
S807	EVQ21409K	SW, ATLS		CS681	RJU028W010	CONNECTOR (10P)	
S808	EVQ21409K	SW, REC PAUSE		CS800	RJS1A6823	CONNECTOR (23P)	
S809	EVQ21409K	SW, AUX		CS801	RJS1A6815	CONNECTOR (15P)	
S810	EVQ21409K	SW, COUNT RESET		CS3072	RJU057W010	CONNECTOR (10P)	
S811	EVQ21409K	SW, REV MODE		CS3073	RJU028W010	CONNECTOR (10P)	
S812	EVQ21409K	SW, DECK1/2		CS3092	RJU057W009	CONNECTOR (9P)	
S813	EVQ21409K	SW, HIGH		CS3093	RJU028W009-1	CONNECTOR (9P)	
S814	EVQ21409K	SW, NORMAL		CS3651	RJU057W008	CONNECTOR (8P)	
S815	EVQ21409K	SW, T-SURROUND		CS3652	RJU057W009	CONNECTOR (9P)	
S816	EVQ21409K	SW, BEEP		CS4601	RJP6G17ZA	CONNECTOR (6P)	
S817	EVQ21409K	SW, CD EDIT		CS7021	RJS1A8323	CONNECTOR (23P)	
S818	EVQ21409K	SW, DOLBY NR		CS8001	RJS1A6823	CONNECTOR (23P)	
S819	EVQ21409K	SW, RESET EQ		CS8011	RJS1A6815	CONNECTOR (15P)	
S823	EVQ21409K	SW, S-XBS LEVEL		TP1	RJP3G1ZA	PLUG (3P)	
S824	EVQ21409K	SW, TUNING MODE				TRIMMER	
S825	EVQ21409K	SW, TITLE					
S951	RSH1A89ZD-U	SW, MODE DETECT (DECK1)		CT1	RCV10AF1T-S	TRIMMER CAPACITOR	
S952	RSH1A90YC-U	SW, HALF DETECT (DECK1)					

Ref. No.	Part No.	Part Name & Description	Remarks
CT2	ECRLA020E53R	TRIMMER CAPACITOR	
		IC PROTECTOR	
IP601	SRUN20T	IC PROTECTOR	△
IP602	RAHICPN5TA	IC PROTECTOR	△
		DISPLAY	
LCD1	RS15087-L	LCD	
		FUSE	
F650	XBA2C40TB0U	FUSE	△
FH601	EYF52BC	FUSE HOLDER	
FH602	EYF52BC	FUSE HOLDER	
		JACK	
JK601	RJJ1D252A-C	JACK, MIC	
JK602	RJH3401N-0	JACK, CD OUT/AUX IN	
JK603	RJJ3BT01-1H	JACK, HEADPHONES	
JK650	RJJ1SE01-H	JACK, AC IN (S650)	△

Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS	
P1	RPG1590	GIFT BOX	(EB)
P1	RPG1534	GIFT BOX	(EG)
P2	RPN0568	PAD	
P3	RPH0099	PROTECTION COVER	
		ACCESSORIES	
A1	RAK-RX321W	REMOTE CONTROL	
A1-1	RKK0020-H	BATTERY COVER	
A2	RQT1897-B	INSTRUCTION MANUAL	
A2	RQT1898-D	INSTRUCTION MANUAL	(EG)
A2	RQT1899-E	INSTRUCTION MANUAL	(EG)
A3	VJA0733	POWER CORD, AC	(EB)△
A3	RJA0019-2K	POWER CORD, AC	(EG)△

PACKAGING



Notes : * Capacity value are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
 * Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM) , 1M=1,000k(OHM)

Ref.No.	Part No.	Values & Remarks	Ref.No.	Part No.	Values & Remarks	Ref.No.	Part No.	Values & Remarks
		RESISTORS						
R1-3	ERDS2TJ104	1/4W 100K	R113	ERDS2TJ332	1/4W 3.3K	R314	ERDS2TJ102	1/4W 1K
R4	ERDS2TJ470	1/4W 47	R115	ERDS2TJ225	1/4W 2.2M	R315	ERDS2TJ221	1/4W 220
R5	ERDS2TJ151	1/4W 150	R116	ERDS2TJ105T	1/4W 1M	R316	ERDS2TJ1R2	1/4W 1.2
R6	ERDS2TJ331	1/4W 330	R118	ERDS2TJ272T	1/4W 2.7K	R317	ERDS2TJ562	1/4W 5.6K
R7	ERDS2TJ391	1/4W 390	R119	ERDS2TJ103	1/4W 10K	R318	ERDS2TJ153	1/4W 15K
R8	ERDS2TJ274	1/4W 270K	R121	ERDS2TJ823T	1/4W 82K	R319	ERDS2TJ183T	1/4W 18K
R9	ERDS2TJ105T	1/4W 1M	R122	ERDS2TJ105T	1/4W 1M	R320	ERDS2TJ334	1/4W 330K
R10	ERDS2TJ561	1/4W 560	R123	ERDS2TJ221	1/4W 220	R321	ERDS2TJ221	1/4W 220
R11	ERDS2TJ330	1/4W 33	R124	ERDS2TJ104	1/4W 100K	R322	ERDS2TJ1R2	1/4W 1.2
R12	ERDS2TJ104	1/4W 100K	R125	ERDS2TJ102	1/4W 1K	R323	ERDS2TJ123	1/4W 12K
R13	ERDS2TJ470	1/4W 47	R126	ERDS2TJ222	1/4W 2.2K	R325	ERDS2TJ123	1/4W 12K
R15	ERDS2TJ391	1/4W 390	R127	ERDS2TJ153	1/4W 15K	R326	ERDS2TJ272T	1/4W 2.7K
R16	ERDS2TJ683	1/4W 68K	R128	ERDS2TJ104	1/4W 100K	R327	ERDS2TJ334	1/4W 330K
R17	ERDS2TJ104	1/4W 100K	R129	ERDS2TJ682T	1/4W 6.8K	R328	ERDS2TJ123	1/4W 12K
R18	ERDS2TJ103	1/4W 10K	R130	ERDS2TJ683	1/4W 68K	R329 Δ	ERD25FVJ180T	1/4W 18
R20	ERDS2TJ332	1/4W 3.3K	R202	ERDS2TJ123	1/4W 12K	R330	ERDS2TJ104	1/4W 100K
R21	ERDS2TJ562	1/4W 5.6K	R203	ERDS2TJ122	1/4W 1.2K	R331	ERDS2TJ332	1/4W 3.3K
R22	ERDS2TJ473	1/4W 47K	R205	ERDS2TJ330	1/4W 33	R332	ERDS2TJ474	1/4W 470K
R23	ERDS2TJ102	1/4W 1K	R206	ERDS2TJ392T	1/4W 3.9K	R333	ERDS2TJ472	1/4W 4.7K
R24	ERDS2TJ223	1/4W 22K	R207	ERDS2TJ682T	1/4W 6.8K	R334	ERDS2TJ102	1/4W 1K
R25	ERDS2TJ103	1/4W 10K	R208	ERDS2TJ222	1/4W 2.2K	R335, 336	ERDS2TJ472	1/4W 4.7K
R27	ERDS2TJ151	1/4W 150	R210	ERDS2TJ154	1/4W 150K	R338	ERDS2TJ103	1/4W 10K
R28, 29	ERDS2TJ471	1/4W 470	R211	ERDS2TJ473	1/4W 47K	R340	ERDS2TJ334	1/4W 330K
R30	ERDS2TJ104	1/4W 100K	R212	ERDS2TJ472	1/4W 4.7K	R341	ERDS2TJ681	1/4W 680
R31	ERDS2TJ222	1/4W 2.2K	R213	ERDS2TJ332	1/4W 3.3K	R342	ERDS2TJ433	1/4W 43K
R32	ERDS2TJ473	1/4W 47K	R215	ERDS2TJ225	1/4W 2.2M	R343	ERDS2TJ103	1/4W 10K
R33-38	ERDS2TJ103	1/4W 10K	R216	ERDS2TJ105T	1/4W 1M	R344	ERDS2TJ104	1/4W 100K
R39	ERDS2TJ102	1/4W 1K	R218	ERDS2TJ272T	1/4W 2.7K	R345, 346	ERDS2TJ472	1/4W 4.7K
R40	ERDS2TJ223	1/4W 22K	R219	ERDS2TJ103	1/4W 10K	R348, 349	ERDS2TJ472	1/4W 4.7K
R50, 51	ERDS2TJ103	1/4W 10K	R221	ERDS2TJ823T	1/4W 82K	R350	ERDS2TJ473	1/4W 47K
R52	ERDS2TJ102	1/4W 1K	R222	ERDS2TJ105T	1/4W 1M	R351	ERDS2TJ472	1/4W 4.7K
R55	ERDS2TJ103	1/4W 10K	R223	ERDS2TJ221	1/4W 220	R352, 353	ERDS2TJ473	1/4W 47K
R56	ERDS2TJ222	1/4W 2.2K	R224	ERDS2TJ104	1/4W 100K	R354	ERDS2TJ681	1/4W 680
R60	ERDS2TJ104	1/4W 100K	R225	ERDS2TJ102	1/4W 1K	R355	ERDS2TJ473	1/4W 47K
R61	ERDS2TJ332	1/4W 3.3K	R226	ERDS2TJ222	1/4W 2.2K	R356	ERDS2TJ335T	1/4W 3.3M
R62, 63	ERDS2TJ681	1/4W 680	R227	ERDS2TJ153	1/4W 15K	R357	ERDS2TJ222	1/4W 2.2K
R71	ERDS2TJ274	1/4W 270K	R228	ERDS2TJ104	1/4W 100K	R358	ERDS2TJ472	1/4W 4.7K
R102	ERDS2TJ123	1/4W 12K	R229	ERDS2TJ682T	1/4W 6.8K	R360	ERDS2TJ102	1/4W 1K
R103	ERDS2TJ122	1/4W 1.2K	R230	ERDS2TJ683	1/4W 68K	R361, 362	ERDS2TJ104	1/4W 100K
R105	ERDS2TJ330	1/4W 33	R301	ERDS2TJ334	1/4W 330K	R363	ERDS2TJ183T	1/4W 18K
R106	ERDS2TJ392T	1/4W 3.9K	R302	ERDS2TJ102	1/4W 1K	R364	ERDS2TJ104	1/4W 100K
R107	ERDS2TJ682T	1/4W 6.8K	R303	ERDS2TJ103	1/4W 10K	R365	ERDS2TJ222	1/4W 2.2K
R108	ERDS2TJ222	1/4W 2.2K	R304, 305	ERDS2TJ102	1/4W 1K	R366	ERDS2TJ103	1/4W 10K
R110	ERDS2TJ154	1/4W 150K	R306, 307	ERDS2TJ472	1/4W 4.7K	R367	ERDS2TJ820	1/4W 82
R111	ERDS2TJ473	1/4W 47K	R308	ERDS2TJ822	1/4W 8.2K	R368	ERDS2TJ180T	1/4W 18
R112	ERDS2TJ472	1/4W 4.7K	R309	ERDS2TJ1R2	1/4W 1.2	R369	ERD25FJ180	1/4W 18
			R310	ERDS2TJ103	1/4W 10K	R401	ERDS2TJ563	1/4W 56K
			R311, 312	ERDS2TJ472	1/4W 4.7K	R402	ERDS2TJ103	1/4W 10K
			R313	ERDS2TJ332	1/4W 3.3K	R403	ERDS2TJ104	1/4W 100K

Ref.No.	Part No.	Values & Remarks	Ref.No.	Part No.	Values & Remarks	Ref.No.	Part No.	Values & Remarks
R404	ERDS2TJ473	1/4W 47K	R524	ERDS2TJ471	1/4W 470	R666	ERDS2TJ472	1/4W 4.7K
R405	ERDS2TJ393	1/4W 39K	R525	ERDS2TJ103	1/4W 10K	R667	ERDS2TJ105T	1/4W 1M
R406	ERDS2TJ563	1/4W 56K	R526	ERDS2TJ153	1/4W 15K	R668	ERDS2TJ471	1/4W 470
R407	ERDS2TJ103	1/4W 10K	R527, 528	ERX1SJ47E	1W 0.47	R670	ERDS2TJ102	1/4W 1K
R408	ERDS2TJ823T	1/4W 82K	R529	ERDS2TJ472	1/4W 4.7K	R671	ERDS2TJ821	1/4W 820
R409, 410	ERDS2TJ473	1/4W 47K	R530	ERDS2TJ104	1/4W 100K	R672	ERDS2TJ102	1/4W 1K
R411	ERDS2TJ153	1/4W 15K	R531	ERDS2TJ562	1/4W 5.6K	R673	ERDS2TJ103	1/4W 10K
R412	ERDS2TJ393	1/4W 39K	R532	ERDS2TJ152	1/4W 1.5K	R674	ERDS2TJ472	1/4W 4.7K
R413	ERDS2TJ824	1/4W 820K	R533, 534	ERDS2TJ102	1/4W 1K	R675	ERDS2TJ103	1/4W 10K
R414	ERDS2TJ562	1/4W 5.6K	R537	ERDS2TJ331	1/4W 330	R676	ERDS2TJ332	1/4W 3.3K
R415	ERDS2TJ681	1/4W 680	R538	ERDS2TJ391	1/4W 390	R679	ERDS2TJ102	1/4W 1K
R417	ERDS2TJ102	1/4W 1K	R539	ERDS2TJ681	1/4W 680	R680	ERDS2TJ332	1/4W 3.3K
R418	ERDS2TJ473	1/4W 47K	R542	ERDS2TJ222	1/4W 2.2K	R682	ERDS2TJ151	1/4W 150
R419	ERDS2TJ102	1/4W 1K	R601	ERDS2TJ472	1/4W 4.7K	R683	ERDS2TJ392T	1/4W 3.9K
R420	ERDS2TJ222	1/4W 2.2K	R604	ERDS2TJ102	1/4W 1K	R684	ERDS2TJ562	1/4W 5.6K
R421	ERDS2TJ682T	1/4W 6.8K	R605, 606	ERDS2TJ103	1/4W 10K	R685	ERDS2TJ822	1/4W 8.2K
R422	ERDS2TJ472	1/4W 4.7K	R607	ERDS2TJ393	1/4W 39K	R686	ERDS2TJ153	1/4W 15K
R423	ERDS2TJ331	1/4W 330	R608, 609	ERDS2TJ104	1/4W 100K	R687	ERDS2TJ333	1/4W 33K
R424	ERDS2TJ471	1/4W 470	R610	ERDS2TJ223	1/4W 22K	R688	ERDS2TJ272T	1/4W 2.7K
R425	ERDS2TJ103	1/4W 10K	R611	ERDS2TJ152	1/4W 1.5K	R689	ERDS2TJ222	1/4W 2.2K
R426	ERDS2TJ153	1/4W 15K	R612	ERDS2TJ682T	1/4W 6.8K	R690	ERDS2TJ392T	1/4W 3.9K
R427, 428	ERX1SJ47E	1W 0.47	R613	ERDS2TJ222	1/4W 2.2K	R691	ERDS2TJ562	1/4W 5.6K
R429	ERDS2TJ472	1/4W 4.7K	R614	ERDS2TJ272T	1/4W 2.7K	R692	ERDS2TJ822	1/4W 8.2K
R430	ERDS2TJ104	1/4W 100K	R615-617	ERDS2TJ103	1/4W 10K	R693	ERDS2TJ153	1/4W 15K
R431	ERDS2TJ562	1/4W 5.6K	R618, 619	ERDS2TJ102	1/4W 1K	R694	ERDS2TJ333	1/4W 33K
R432	ERDS2TJ152	1/4W 1.5K	R620-625	ERDS2TJ103	1/4W 10K	R695	ERDS2TJ823T	1/4W 82K
R433, 434	ERDS2TJ102	1/4W 1K	R626	ERDS2TJ101	1/4W 100	R701	ERJ6GEYJ100	1/10W 10
R437	ERDS2TJ331	1/4W 330	R627	ERDS2TJ332	1/4W 3.3K	R702	ERJ6GEYJ471V	1/10W 470
R438	ERDS2TJ391	1/4W 390	R628	ERDS2TJ472	1/4W 4.7K	R703	ERJ6GEYJ823	1/10W 82K
R439	ERDS2TJ681	1/4W 680	R629	ERDS2TJ334	1/4W 330K	R704	ERJ6GEYJ102A	1/10W 1K
R442	ERDS2TJ222	1/4W 2.2K	R630	ERDS2TJ104	1/4W 100K	R705	ERJ6GEYJ103V	1/10W 10K
R501	ERDS2TJ563	1/4W 56K	R631	ERDS2TJ474	1/4W 470K	R706	ERJ6GEYJ102A	1/10W 1K
R502	ERDS2TJ103	1/4W 10K	R633	ERDS2TJ1R5T	1/4W 1.5	R707	ERJ6GEYJ473V	1/10W 47K
R503	ERDS2TJ104	1/4W 100K	R634	ERDS2TJ273	1/4W 27K	R708	ERJ6GEYJ224V	1/10W 220K
R504	ERDS2TJ473	1/4W 47K	R636	ERDS2TJ103	1/4W 10K	R709	ERJ6GEYJ683V	1/10W 68K
R505	ERDS2TJ393	1/4W 39K	R638	ERDS2TJ472	1/4W 4.7K	R711	ERJ6GEYJ154V	1/10W 150K
R506	ERDS2TJ563	1/4W 56K	R639	ERDS2TJ333	1/4W 33K	R712	ERJ6GEYJ471V	1/10W 470
R507	ERDS2TJ103	1/4W 10K	R640, 641	ERDS2TJ102	1/4W 1K	R714	ERJ6GEYOR00A	1/10W 0.00
R508	ERDS2TJ823T	1/4W 82K	R643	ERDS2TJ472	1/4W 4.7K	R717	ERJ6GEYJ102A	1/10W 1K
R509, 510	ERDS2TJ473	1/4W 47K	R644-649	ERDS2TJ103	1/4W 10K	R718	ERJ6GEYJ102A	1/10W 1K
R511	ERDS2TJ153	1/4W 15K	R650, 651	ERDS2TJ102	1/4W 1K	R719	ERJ6GEYJ102A	1/10W 1K
R512	ERDS2TJ393	1/4W 39K	R652, 653	ERDS2TJ474	1/4W 470K	R720	ERJ6GEYJ102A	1/10W 1K
R513	ERDS2TJ824	1/4W 820K	R655	ERDS2TJ472	1/4W 4.7K	R721	ERJ8GEYJ101V	1/10W 100
R514	ERDS2TJ562	1/4W 5.6K	R656	ERDS2TJ474	1/4W 470K	R722	ERJ6GEYJ473V	1/10W 47K
R515	ERDS2TJ681	1/4W 680	R657	ERDS2TJ152	1/4W 1.5K	R723	ERJ6GEYJ182V	1/10W 1.8K
R517	ERDS2TJ102	1/4W 1K	R658	ERDS2TJ472	1/4W 4.7K	R724	ERJ6GEYJ333V	1/10W 33K
R518	ERDS2TJ473	1/4W 47K	R659	ERDS2TJ101	1/4W 100	R725	ERJ6GEYJ472V	1/10W 4.7K
R519	ERDS2TJ102	1/4W 1K	R660	ERDS2TJ472	1/4W 4.7K	R726	ERJ6GEYJ473V	1/10W 47K
R520	ERDS2TJ222	1/4W 2.2K	R661	ERDS2TJ222	1/4W 2.2K	R727	ERJ6GEYJ103V	1/10W 10K
R521	ERDS2TJ682T	1/4W 6.8K	R662	ERDS2TJ102	1/4W 1K	R728	ERJ6GEYJ392V	1/10W 3.9K
R522	ERDS2TJ472	1/4W 4.7K	R663	ERDS2TJ333	1/4W 33K	R730	ERJ6GEYJ331V	1/10W 330K
R523	ERDS2TJ331	1/4W 330	R665	ERDS2TJ222	1/4W 2.2K	R731	ERJ6GEYJ392V	1/10W 3.9K

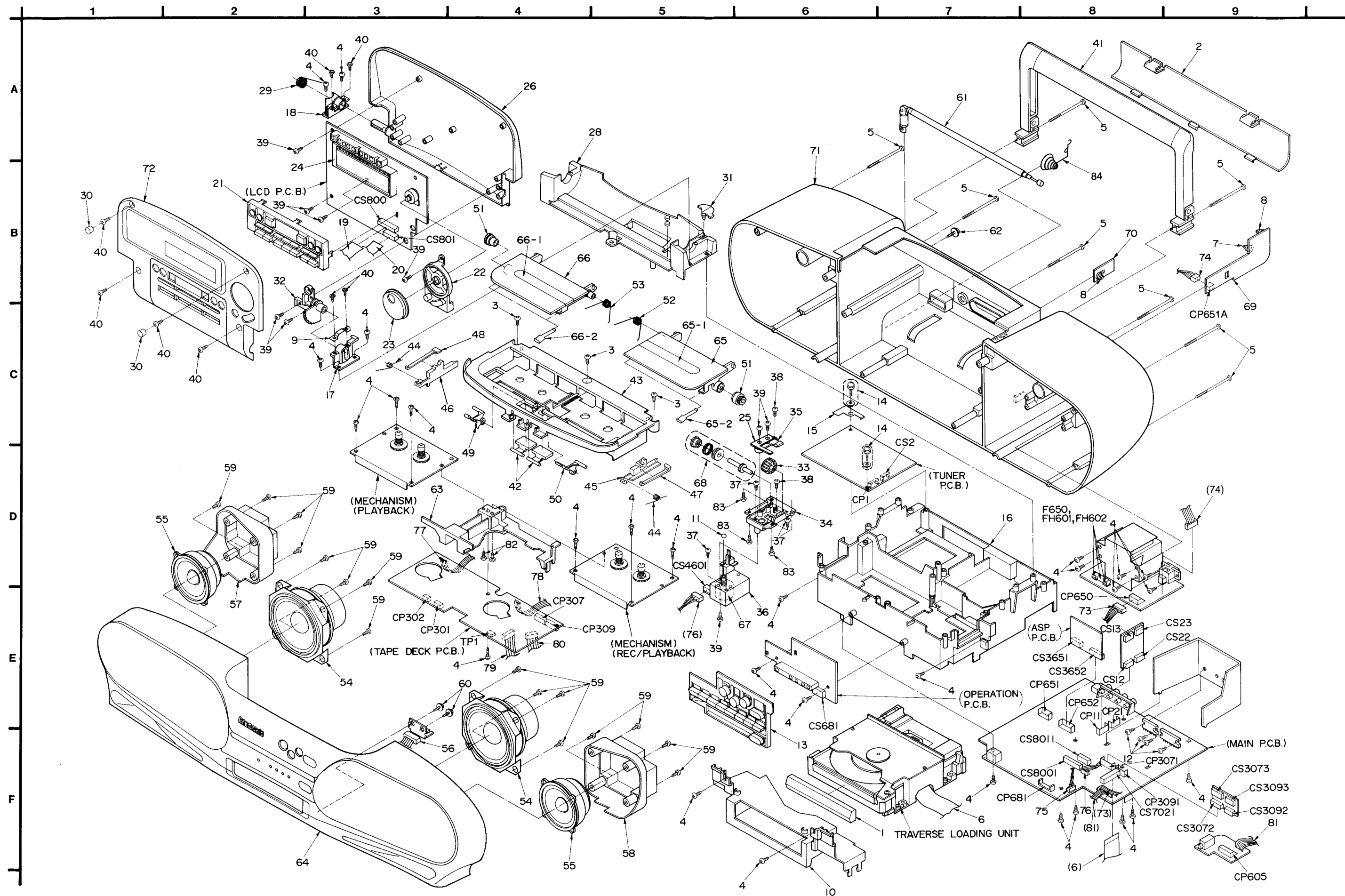
Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
R734	ERJ6GEYJ101V	1/10W 100	R869	ERDS2TJ102	1/4W 1K	C18	ECBT1H150JC5	50V 15P
R735	ERJ6GEYJ101V	1/10W 100	R870	ERDS2TJ105T	1/4W 1M	C19	ECBT1H100JC5	50V 10P
R736	ERJ6GEYJ101V	1/10W 100	R871	ERDS2TJ106T	1/4W 10M	C20	ECFR1C473MR	16V 0.047U
R738	ERJ6GEYJ223V	1/10W 22K	R872	ERDS2TJ224T	1/4W 220K	C23	ECEA1HNO10	50V 1U
R739	ERJ6GEYJ681V	1/10W 680	R873	ERDS2TJ104	1/4W 100K	C24	ECBT1C103MS5	16V 0.01U
R741	ERJ6GEYJ562V	1/10W 5.6K	R874	ERDS2TJ103	1/4W 10K	C25	ECFR1C223MR	16V 0.022U
R742	ERJ6GEYJ562V	1/10W 5.6K	R875	ERDS2TJ223	1/4W 22K	C26	ECEA1CU101	16V 100U
R743	ERJ6GEYJ562V	1/10W 5.6K	R876	ERDS2TJ103	1/4W 10K	C27	ECBT1C103MS5	16V 0.01U
R744	ERJ6GEYJ103V	1/10W 10K	R877, 878	ERDS2TJ474	1/4W 470K	C29	ECEA1HU010	50V 1U
R745	ERJ6GEYJ155V	1/10W 1.5M	R879	ERDS2TJ103	1/4W 10K	C30	ECBT1H270J5	50V 27P
R746	ERJ6GEYJ103V	1/8W 10K	R880	ERDS2TJ472	1/4W 4.7K	C31	ECEA1AU470	10V 47U
R747	ERJ6GEYJ473V	1/10W 47K	R882-884	ERDS2TJ103	1/4W 10K	C32	ECFR1C223MR	16V 0.022U
R801	ERDS2TJ152	1/4W 1.5K	R888, 889	ERDS2TJ104	1/4W 100K	C33, 34	ECEA1CU100	16V 10U
R802	ERDS2TJ222	1/4W 2.2K	R890	ERDS2TJ103	1/4W 10K	C35	ECFR1C223MR	16V 0.022U
R805	ERDS2TJ123	1/4W 12K	R893	ERDS2TJ102	1/4W 1K	C36	ECBT1H331KB5	50V 330P
R806	ERDS2TJ822	1/4W 8.2K	R894, 895	ERDS2TJ472	1/4W 4.7K	C37	ECFR1C683MR	16V 0.068U
R807	ERDS2TJ153	1/4W 15K	R896	ERDS2TJ103	1/4W 10K	C38, 39	ECFR1C823MR	16V 0.082U
R808	ERDS2TJ333	1/4W 33K	R897, 898	ERDS2TJ472	1/4W 4.7K	C40, 41	ECFR1C123MR	16V 0.012U
R809	ERDS2TJ823T	1/4W 82K	R1233, 1234	ERDS2TJ103	1/4W 10K	C44	ECBT1H330J5	50V 33P
R812	ERDS2TJ152	1/4W 1.5K	R1235	ERDS2TJ472	1/4W 4.7K	C45	ECFR1C223MR	16V 0.022U
R813	ERDS2TJ222	1/4W 2.2K	R2602	ERDS2TJ154	1/4W 150K	C46	ECEA0JU101B	6.3V 100U
R814	ERDS2TJ272T	1/4W 2.7K	R2603	ERDS2TJ472	1/4W 4.7K	C47	ECFR1C223MR	16V 0.022U
R815	ERDS2TJ392T	1/4W 3.9K	R2604	ERDS2TJ221	1/4W 220	C48	ECEA1CU100	16V 10U
R816	ERDS2TJ562	1/4W 5.6K	R2605	ERDS2TJ330	1/4W 33	C49	ECBT1H270J5	50V 27P
R817	ERDS2TJ822	1/4W 8.2K	R2606	ERDS2TJ472	1/4W 4.7K	C50	ECBT1H300J5	50V 30P
R818	ERDS2TJ153	1/4W 15K	R2607-2609	ERDS2TJ272T	1/4W 2.7K	C51	ECBT1H102KB5	50V 1000P
R819	ERDS2TJ333	1/4W 33K	R3451, 3452	ERDS2TJ472	1/4W 4.7K	C52	ECEA1EU3R3	25V 3.3U
R820	ERDS2TJ153	1/4W 15K	R3453	ERDS2TJ103	1/4W 10K	C53	ECEA1HU010	50V 1U
R821	ERDS2TJ152	1/4W 1.5K	R3551, 3552	ERDS2TJ472	1/4W 4.7K	C62	ECFR1C103MR	16V 0.01U
R822	ERDS2TJ222	1/4W 2.2K	R3553	ERDS2TJ103	1/4W 10K	C63	ECBT1H150JC5	50V 15P
R823	ERDS2TJ272T	1/4W 2.7K	R3653-3655	ERDS2TJ102	1/4W 1K	C64, 65	ECFR1C223MR	16V 0.022U
R824	ERDS2TJ153	1/4W 15K	R3657-3659	ERDS2TJ104	1/4W 100K	C66	ECBT1H102KB5	50V 1000P
R825	ERDS2TJ331	1/4W 330	R4601	ERDS2TYJ153T	1/4W 15K	C67	ECBT1H471KB5	50V 470P
R826	ERDS2TJ103	1/4W 10K	R4602	ERDS2TYJ122T	1/4W 1.2K	C69	ECBT1C332MR5	16V 3300P
R828	ERDS2TJ103	1/4W 10K	R5001	ERDS2TJ331	1/4W 330	C71	ECBT1H102KB5	50V 1000P
R829, 830	ERDS2TJ472	1/4W 4.7K	R5002, 5003	ERDS2EJ121	1/4W 120	C72	ECBT1H331KB5	50V 330P
R831	ERDS2TJ103	1/4W 10K	R5004	ERDS2TJ472	1/4W 4.7K	C74	ECBT1H470J5	50V 47P
R832	ERDS2TJ153	1/4W 15K	R5005	ERDS2TJ1R5T	1/4W 1.5	C77	ECBT1H181KB5	50V 180P
R833	ERDS2TJ152	1/4W 1.5K				C78	ECBT1H331KB5	50V 330P
R841-843	ERDS2TJ682T	1/4W 6.8K		CAPACITORS		C82	ECBT1C103MS5	16V 0.01U
R844, 845	ERDS2TJ471	1/4W 470				C101	ECBT1H102KB5	50V 1000P
R851, 852	ERDS2TJ471	1/4W 470	C1	ECBT1H180JC5	50V 18P	C104	ECFR1C333JR	16V 0.033U
R853, 854	ERDS2TJ104	1/4W 100K	C2	ECBT1H102KB5	50V 1000P	C105, 106	ECBT1H471KB5	50V 470P
R855-857	ERDS2TJ471	1/4W 470	C3	ECBT1H330J5	50V 33P	C107	ECFR1C183KR	16V 0.018U
R859	ERDS2TJ153	1/4W 15K	C4	ECBT1H102KB5	50V 1000P	C108	ECEA1HKO10B	50V 1U
R860	ERDS2TJ471	1/4W 470	C5	ECBT1C103MS5	16V 0.01U	C109	ECEA1EK4R7	25V 4.7U
R862	ERDS2TJ102	1/4W 1K	C6, 7	ECBT1H181KB5	50V 180P	C110	ECEA1HKO10B	50V 1U
R864	ERDS2TJ102	1/4W 1K	C8	ECBT1H102KB5	50V 1000P	C111	ECBT1H102KB5	50V 1000P
R865	ERDS2TJ103	1/4W 10K	C9	ECBT1H47K05	50V 4.7P	C112	ECFR1C473MR	16V 0.047U
R866	ERDS2TJ823T	1/4W 82K	C10	ECBT1H2R2KC5	50V 2.2P	C113	ECEA1HKO10B	50V 1U
R867	ERDS2TJ104	1/4W 100K	C11, 12	ECBT1H102KB5	50V 1000P	C115	ECBT1H151KB5	50V 150P
R868	ERDS2TJ823T	1/4W 82K	C14, 15	ECBT1H102KB5	50V 1000P	C116	ECBT1H221KB5	50V 220P

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
C117	ECEA1EK4R7	25V 4.7U	C319	ECEA1HKO1R	50V 0.1U	C609	ECBT1C152MR5	16V 1500P
C118	ECBT1H102KB5	50V 1000P	C320	ECFR1C223MR	16V 0.022U	C610, 611	ECBT1C332MR5	16V 3300P
C119	ECBT1C332KR5	16V 3300P	C321	ECEA1HKO10B	50V 1U	C612	ECBT1C152MR5	16V 1500P
C120	ECEA1HKO10B	50V 1U	C322	ECEA1CU101BG	16V 100U	C613	ECEA1EK4R7	25V 4.7U
C121	ECBT1H331KB5	50V 330P	C323	ECBT1C103MS5	16V 0.01U	C614	ECEA1HKO10B	50V 1U
C122	ECEA1EK4R7	25V 4.7U	C325, 326	ECEA1AU101BG	10V 100U	C615, 616	ECBT1C103MS5	16V 0.01U
C123	ECBA1H681KB5	50V 680P	C327	ECA1AM471B	10V 470U	C617	ECEA1AU101	10V 100U
C124	ECEA0JK221B	6.3V 220U	C328	ECFR1C223MR	16V 0.022U	C618	ECEA1AU221	10V 220U
C125	ECBT1C682KR5	16V 6800P	C329, 330	ECEA0JU470BG	6.3V 47U	C619	ECA1AKF820B	10V 82U
C126	ECEA1HKO10B	50V 1U	C331	ECBT1H104ZF5	50V 0.1U	C620-625	ECEA1EK4R7	25V 4.7U
C127	ECEA1EK4R7	25V 4.7U	C333	ECEA1HKO1R	50V 0.1U	C626	ECEA1EU4R7	25V 4.7U
C128	ECEA1HFSR68T	50V 0.68U	C334	ECEA1EK4R7	25V 4.7U	C627	ECBT1H471KB5	50V 470P
C129	ECEA1EK4R7	25V 4.7U	C335	ECEA0JU470BG	6.3V 47U	C629	ECEA1AU221	10V 220U
C201	ECBT1H102KB5	50V 1000P	C336, 337	ECBA1H681KB5	50V 680P	C630	ECEA1AU102B	10V 1000U
C204	ECFR1C333JR	16V 0.033U	C401	ECEA1HKO10B	50V 1U	C631	ECA1EM682	25V 6800U
C205, 206	ECBT1H471KB5	50V 470P	C402	ECBT1H101KB5	50V 100P	C632	ECBT1H102KB5	50V 1000P
C207	ECFR1C183KR	16V 0.018U	C403	ECEA1HKR22B	50V 0.22U	C633	ECBT1C103MS5	16V 0.01U
C208	ECEA1HKO10B	50V 1U	C404	ECBT1H331KB5	50V 330P	C634	ECBT1H330J5	50V 33P
C209	ECEA1EK4R7	25V 4.7U	C405	ECBT1H101KB5	50V 100P	C635	ECBT1H102KB5	50V 1000P
C210	ECEA1HKO10B	50V 1U	C406	ECEA1HKO10B	50V 1U	C639-641	ECBT1H561KB5	50V 560P
C211	ECBT1H102KB5	50V 1000P	C407, 408	ECEA1EK4R7	25V 4.7U	C642	ECEA1AU221	10V 220U
C212	ECFR1C473MR	16V 0.047U	C409, 410	ECBT1H102KB5	50V 1000P	C643	ECEA1EK4R7	25V 4.7U
C213	ECEA1HKO10B	50V 1U	C411	ECA1CM222E	16V 2200U	C644	ECEA0JU221	6.3V 220U
C215	ECBT1H151KB5	50V 150P	C412	ECEA1VU220	35V 22U	C645, 646	ECEA1CK100B	16V 10U
C216	ECBT1H221KB5	50V 220P	C413, 414	ECQM1H224JZ	50V 0.22U	C647	ECEA1AU101	10V 100U
C217	ECEA1EK4R7	25V 4.7U	C415	ECBT1H102KB5	50V 1000P	C648	ECBT1H471KB5	50V 470P
C218	ECBT1H102KB5	50V 1000P	C416	ECEA1HKO10B	50V 1U	C649	ECEA1HKO10B	50V 1U
C219	ECBT1C332KR5	16V 3300P	C420	ECEA1HKR22B	50V 0.22U	C656	ECEA1AU101	10V 100U
C220	ECEA1HKO10B	50V 1U	C424, 425	ECQM1H224JZ	50V 0.22U	C657	ECEA1CK100B	16V 10U
C221	ECBT1H331KB5	50V 330P	C426	ECBT1C103MS5	16V 0.01U	C658	ECBT1H101KB5	50V 100P
C222	ECEA1EK4R7	25V 4.7U	C501	ECEA1HKO10B	50V 1U	C659	ECBT1H102KB5	50V 1000P
C223	ECBA1H681KB5	50V 680P	C502	ECBT1H101KB5	50V 100P	C660	ECEA1CK100B	16V 10U
C224	ECEA0JK221B	6.3V 220U	C503	ECEA1HKR22B	50V 0.22U	C661	ECEA1EK4R7	25V 4.7U
C225	ECBT1C682KR5	16V 6800P	C504	ECBT1H331KB5	50V 330P	C662	ECBT1H102KB5	50V 1000P
C226	ECEA1HKO10B	50V 1U	C505	ECBT1H101KB5	50V 100P	C663	ECEA1AU330	10V 33U
C227	ECEA1EK4R7	25V 4.7U	C506	ECEA1HKO10B	50V 1U	C664	ECEA1AU220B	10V 22U
C228	ECEA1HFSR68T	50V 0.68U	C507, 508	ECEA1EK4R7	25V 4.7U	C665	ECEA1HKO10B	50V 1U
C229	ECEA1EK4R7	25V 4.7U	C509, 510	ECBT1H102KB5	50V 1000P	C666	ECKT1H223ZF	50V 0.022U
C301	ECBT1C103MS5	16V 0.01U	C511	ECA1CM222E	16V 2200U	C667, 668	ECBT1H471KB5	50V 470P
C302	ECEA1HKNR47B	50V 0.47U	C512	ECEA1VU220	35V 22U	C671	ECEA0JK101	6.3V 100U
C303	ECQP2A152JZT	100V0.0015U	C513, 514	ECQM1H224JZ	50V 0.22U	C680-683	ECQV1H184JZ3	50V 0.18U
C304	ECQS2B272KZW	120V 2700P	C515	ECBT1H102KB5	50V 1000P	C684	ECKR1H473ZF5	50V 0.047U
C305	ECBT1C103MS5	16V 0.01U	C516	ECEA1HKO10B	50V 1U	C701	ECEA0JKA220	6.3V 22U
C306	ECQP2E392JZT	50V 3900P	C520	ECEA1HKR22B	50V 0.22U	C702	ECEA1HKA010I	50V 1U
C307	ECEA1HU010BG	50V 1U	C524, 525	ECQM1H224JZ	50V 0.22U	C703	ECEA0JKA101I	6.3V 100U
C308	ECQV1H473JZ3	50V 0.047U	C526	ECBT1C103MS5	16V 0.01U	C704	ECUZ1E104MBN	25V 0.1U
C309	ECEA1AU101BG	10V 100U	C602, 603	ECBT1C103MS5	16V 0.01U	C705	ECEA1HKA010I	50V 1U
C310, 311	ECBT1H102KB5	50V 1000P	C604	ECBT1H104ZF5	50V 0.1U	C706	ECUE1H101JCN	50V 100P
C312, 313	ECFR1C103KR	16V 0.01U	C605	ECEA1HKO10B	50V 1U	C708	ECUE1H472KBN	50V 4700P
C315	ECEA1AU330BG	10V 33U	C606	ECEA1AU331	10V 330U	C709	ECUE1C473KBN	16V 0.047U
C316	ECEA1AU101BG	10V 100U	C607	ECEA0JU470B	6.3V 47U	C710	ECUE1H152KBN	50V 1500P
C318	ECEA1CK100B	16V 10U	C608	ECEA1CK100B	16V 10U	C711	ECUZ1E104MBN	25V 0.1U

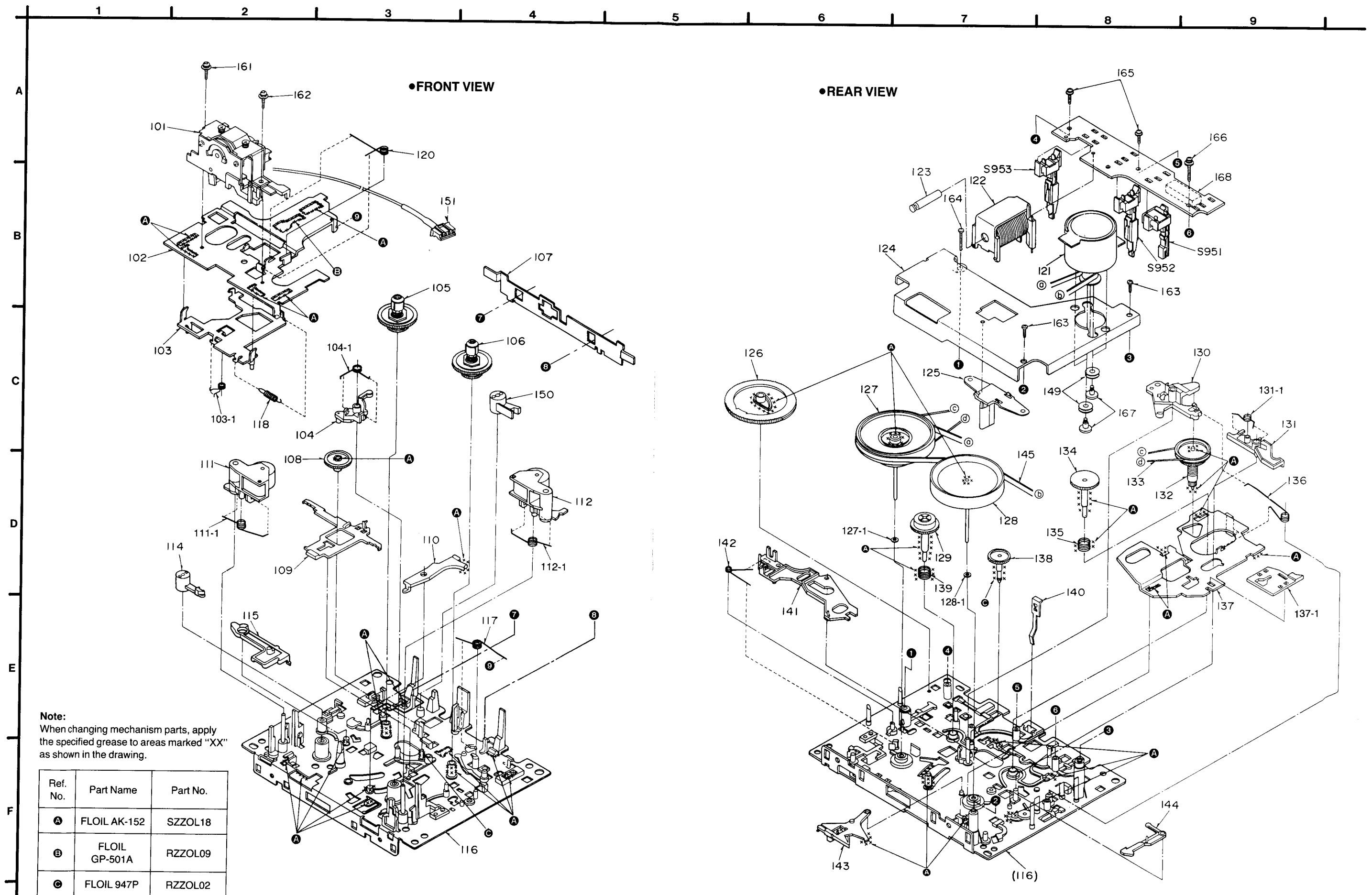
Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
C712	ECUZ1E104MBN	25V 0.1U	C867, 868	ECBT1H151KB5	50V 150P	RJ711	ERJ8GEYOR00A	1/10W 0
C713	ECUV1C104MBM	16V 0.1U	C872	ECBT1H561KB5	50V 560P	RJ712	ERJ8GEYOR00A	1/10W 0
C714	ECEAOJKA101I	6.3V 100U	C876, 877	ECBT1H561KB5	50V 560P	RJ713	ERJ8GEYOR00A	1/10W 0
C715	ECEAOJKA470I	6.3V 47U	C894	ECBT1H470J5	50V 47P	RJ714	ERJ8GEYOR00A	1/10W 0
C716	ECUE1H561KBN	50V 560P	C895	ECBT1H102KB5	50V 1000P	RJ715	ERJ8GEYOR00A	1/10W 0
C717	ECUZ1E104MBN	25V 0.1U	C951	ECBT1H101KB5	50V 100P	RJ716	ERJ8GEYOR00A	1/10W 0
C718	ECUV1C224KBM	16V 0.22U	C971	ECBT1H101KB5	50V 100P	RJ717	ERJ8GEYOR00A	1/10W 0
C719	ECUV1C224KBM	16V 0.22U	C3452, 3453	ECEA1CK100B	16V 10U	RJ721	ERJ6GEYOR00A	1/10W 0
C721	ECUE1H100DCN	50V 10P	C3454	ECBT1C222MR5	16V 2200P	RJ722	ERJ6GEYOR00A	1/10W 0
C722	ECUE1H100DCN	50V 10P	C3455, 3456	ECFR1C333KR	16V 0.033U	RJ724	ERJ6GEYOR00A	1/10W 0
C723	ECEA1AKA221I	10V 220U	C3457	ECEA1CK100B	16V 10U	RJ725	ERJ6GEYOR00A	1/10W 0
C724	ECUV1C104MBM	16V 0.1U	C3458	ECEA1HKR33	50V 0.33U	RJ726	ERJ6GEYOR00A	1/10W 0
C725	ECUE1H102KBN	50V 1000P	C3459	ECEA1HKAR15B	50V 0.15U			
C726	ECUE1H102KBN	50V 1000P	C3460	ECEA1HK010B	50V 1U			TEST JUMPER(S)
C727	ECEA1HKA010I	50V 1U	C3461	ECEA1EK4R7	25V 4.7U			
C728	ECEA1HKA010I	50V 1U	C3462	ECEA1CK100B	16V 10U	TJ701	RRJ8GET001H	TEST JUMPER
C730	ECUZ1E104MBN	25V 0.1U	C3463	ECEA1EK4R7	25V 4.7U	TJ702	RRJ8GET001H	TEST JUMPER
C731	ECA05SD151I	6.3V 150U	C3464	ECBT1H101KB5	50V 100P			
C732	ECA05SD151I	6.3V 150U	C3465	ECBT1C103MS5	16V 0.01U			
C733	ECUZ1E104MBN	25V 0.1U	C3552, 3553	ECEA1CK100B	16V 10U			
C734	ECEA1AKA221I	10V 220U	C3554	ECBT1C222MR5	16V 2200P			
C735	ECUZNE104MBN	25V 0.1U	C3555, 3556	ECFR1C333KR	16V 0.033U			
C736	ECUZNE104MBN	25V 0.1U	C3557	ECEA1CK100B	16V 10U			
C737	ECUZNE104MBN	25V 0.1U	C3558	ECEA1HKR33	50V 0.33U			
C738	ECUV1C154KBN	16V 0.15U	C3559	ECEA1HKAR15B	50V 0.15U			
C742	ECUV1E273KBN	25V 0.027U	C3560	ECEA1HK010B	50V 1U			
C743	ECUZNE104MBN	25V 0.1U	C3561	ECEA1EK4R7	25V 4.7U			
C744	ECUE1E822KBN	25V 8200P	C3562	ECEA1CK100B	16V 10U			
C745	ECUE1C473MBN	16V 0.047U	C3563	ECEA1EK4R7	25V 4.7U			
C746	ECUE1H050DCN	50V 5P	C3564	ECBT1H101KB5	50V 100P			
C747	ECUE1H222KBN	50V 2200P	C3565	ECBT1C103MS5	16V 0.01U			
C748	ECUV1H271KBM	50V 270P	C3651, 3652	ECEA1CK100B	16V 10U			
C790	ECEA1AKF820E	10V 82U	C3653	ECEA1EK4R7	25V 4.7U			
C801	ECBT1H102KB5	50V 1000P	C3654	ECEA1AK101	10V 100U			
C802	ECEAOJK101	6.3V 100U	C4601	ECEA1AU101	10V 100U			
C803	ECBT1H102KB5	50V 1000P	C4602	ECKD1H561KB5	50V 560P			
C804	ECA1AKF820B	10V 82U	C5001	ECEA0JU101B	6.3V 100U			
C805, 806	ECBT1H101KB5	50V 100P	C5002, 5003	ECBT1C103MS5	16V 0.01U			
C807, 808	ECBT1C103MS5	16V 0.01U	C5004, 5005	ECBT1H102KB5	50V 1000P			
C809, 810	ECBT1H220JC5	50V 22P						
C811	ECEAOJK470	6.3V 47U			CHIP JUMPERS			
C812	ECBT1H151KB5	50V 150P						
C813, 814	ECBT1H561KB5	50V 560P	RJ701	ERJ8GEYOR00A	1/10W 0			
C830	ECEA1EK4R7	25V 4.7U	RJ702	ERJ8GEYOR00A	1/10W 0			
C844, 845	ECBT1C103MS5	16V 0.01U	RJ703	ERJ8GEYOR00A	1/10W 0			
C851	ECBT1H561KB5	50V 560P	RJ704	ERJ8GEYOR00A	1/10W 0			
C852	ECBT1C103MS5	16V 0.01U	RJ705	ERJ8GEYOR00A	1/10W 0			
C853	ECEA1HK010B	50V 1U	RJ706	ERJ8GEYOR00A	1/10W 0			
C854	ECBT1H820KB5	50V 82P	RJ707	ERJ8GEYOR00A	1/10W 0			
C855, 856	ECBT1H102KB5	50V 1000P	RJ708	ERJ8GEYOR00A	1/10W 0			
C858	ECBT1H102KB5	50V 1000P	RJ709	ERJ8GEYOR00A	1/10W 0			
C860	ECBT1H561KB5	50V 560P	RJ710	ERJ8GEYOR00A	1/10W 0			

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS		51	RDG0183	GEAR	
				52	RME0099	SPRING	
				53	RME0100	SPRING	
1	RGK0435-K	CD TRAY COVER		54	EAS10PL478B	SPEAKER (WOOFER)	
2	RKK0041-K	BATTERY COVER		55	EAS8PH64A	SPEAKER (TWEETER)	
3	XTV3+12GFZ	SCREW		56	REX0404Y	CABLE ASS' Y	
4	XTV3+12G	SCREW		57	RKP0021	SPEAKER COVER(L)	
5	XTV3+60G	SCREW		58	RKP0022	SPEAKER COVER(R)	
6	REE0447	FPC (23P)		59	XTV3+10G	SCREW	
7	RJC511ZB	BATTERY TERMINAL (-)		60	XTW3+W10P	SCREW	
8	RJC751ZA	BATTERY TERMINAL (-), BACK-UP		61	XEARR225CA-Y	TELESCOPIC ANTENNA	
9	RMCO161	HOLDER (SPRING)		62	XYN3+F12FY	SCREW	
10	RMK0140	HOLDER		63	RMK0059-3	CHASSIS	
11	RDB0050	STEEL BALL		64	RFKXGXT707EA	FRONT CABINET ASS' Y	
12	XTV3+10F	SCREW		65	RFKLXDT707AK	CASSETTE HOLDER ASS' Y	DECK 2
13	RGU0710B-K	BUTTON, FRONT PANEL		65-1	RGPO245-Q	PANEL (R)	
14	RHD30006	SCREW		65-2	RUS757ZA	SPRING	
15	RJR0082	ANTENNA TERMINAL		66	RFKLXDT707BK	CASSETTE HOLDER ASS' Y	DECK 1
16	RMK0139B	CHASSIS		66-1	RGPO246-Q	PANEL (L)	
17	RDB0043A	HOLDER (R)		66-2	RUS757ZA	SPRING	
18	RDB0044	HOLDER (L)		67	RFKXPXT707K	MOTOR ASS' Y	
19	REE0361-2	FPC (23P)		68	RFKNXDT707K	GEAR ASS' Y	
20	REE0362-1	FPC (15P)		69	RFKXBXT707AK	P. C. B.	
21	RGU0708-K	BUTTON, TOP PANEL		70	RFKXBXT707BK	P. C. B.	
22	RGU0709-K	BUTTON, CANCEL/SET		71	RFKHXDT707BK	REAR CABINET ASS' Y	(EB)
23	RGW0135-K	KNOB, AI JOG		71	RFKHXDT707GK	REAR CABINET ASS' Y	(EG)
24	RMN0152	LCD HOLDER		72	RFKXGXT707PB	TOP PANEL ASS' Y	
25	RMCO159-1	LEAF SPRING		73	REX0495	CABLE ASS' Y (CW650)	
26	RKF0246C-K	TOP PANEL (OUTER)		74	REX0504	CABLE HOLDER (CW653)	
28	RKQ0099-K	HOLDER		75	REX0408Y	CABLE ASS' Y (CW790)	
29	RMBO218A	SPRING		76	REX0408Y	CABLE ASS' Y (CW4601)	
30	RMGO249-K	RUBBER		77	RWJ1107075QQ	FLAT CABLE (W303)	
31	RMRO499	LOCK PIECE		78	RWJ1110075QQ	FLAT CABLE (W304)	
32	RMS0330	GEAR		79	RWJ4704215KR	FLAT CABLE (W305)	
33	RDG0181	GEAR		80	RWJ4704105KR	FLAT CABLE (W306)	
34	RMK0138	CHASSIS		81	RWJ1109100QQ	FLAT CABLE (W604)	
35	RMRO498	HOLDER		82	XTV26+8G	SCREW	
36	RSC0241	SHIELD PLATE		83	XTV26+10GFZ	SCREW	
37	XQN2+C3	SCREW		84	RJC931ZC	BATTERY TERMINAL (+/-)	
38	XTV26+12F	SCREW					
39	XTV26+8G	SCREW					
40	XTN26+8GFZ	SCREW					
41	RYH0007-K	HANDLE ASS' Y					
42	RGU0706-K	BUTTON, EJECT					
43	RKQ0098-K	PANEL					
44	RME0101	SPRING					
45	RML0234	LEVER					
46	RML0235	LEVER					
47	RML0236	LEVER					
48	RML0237	LEVER					
49	RML0238	LEVER					
50	RML0239	LEVER					

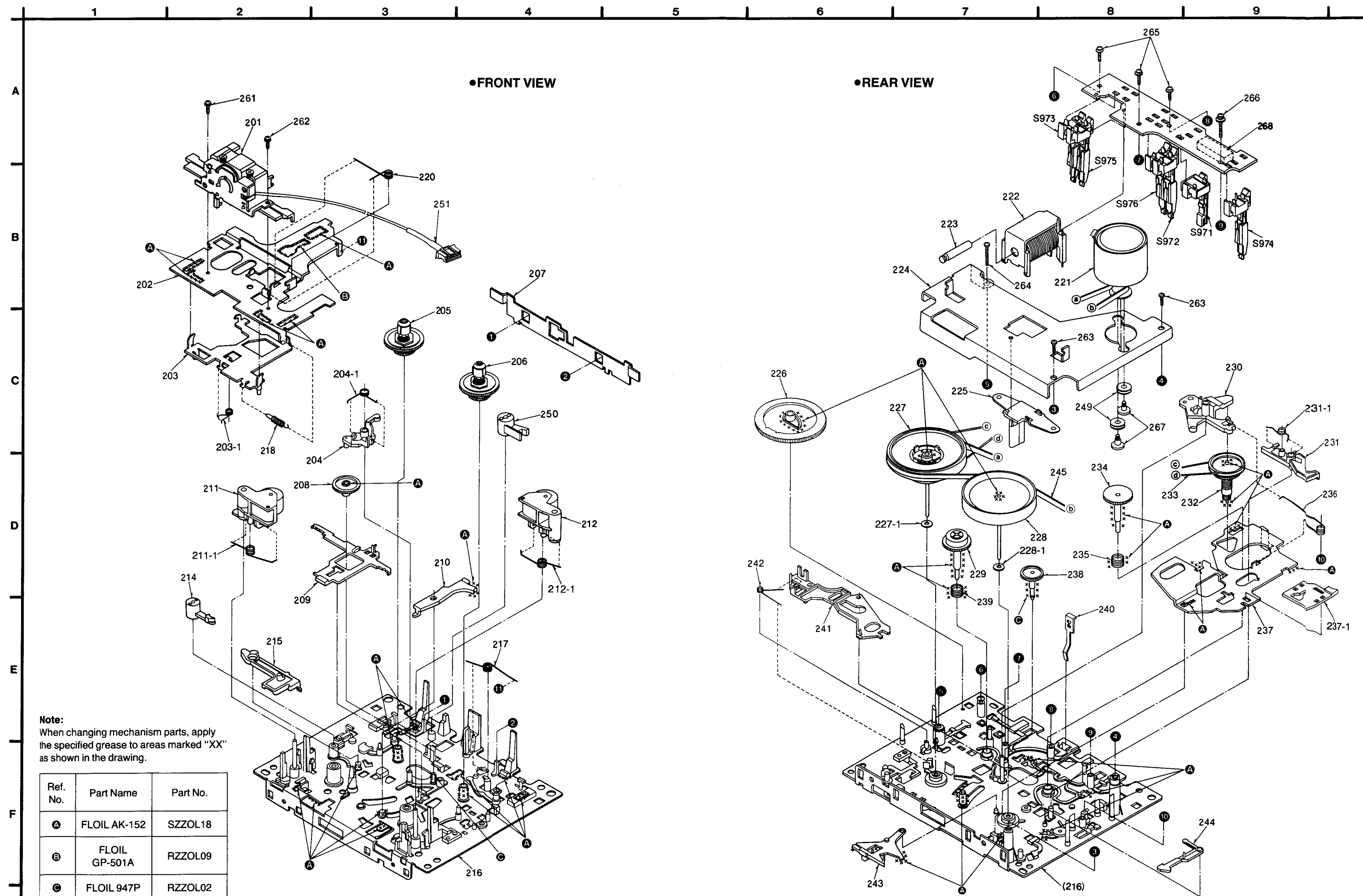
■ CABINET PARTS LOCATION



MECHANISM PARTS LOCATION •DECK 1 (PLAYBACK)



MECHANISM PARTS LOCATION •DECK 2 (RECORD/PLAYBACK)



Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		MECHANISM PARTS		141	RUB514ZC	LEVER	
		DECK 1 (P.B)		142	RUW147ZA	SPRING	
				143	RUB515ZA	LEVER	
101	RXQ0051-2	HEAD ASS' Y		144	RUB509ZA	LEVER	
101-1	RHE5152ZB	SCREW		145	RDV108ZA	BELT	
101-2	RUQ90ZC	SPRING		149	RMG0102-1	RUBBER	
102	RUA793ZF	HEAD BASE		150	RNL180ZB	LEVER	
103	RZLAR300	LEVER ASS' Y		151	REX0308	CABLE ASS' Y	
103-1	RUW143ZA	SPRING		161	XTW2+6L	SCREW	
104	1UB0089ZA	ARM ASS' Y		163	XTN26+7J	SCREW	
104-1	RUW148ZA	SPRING		164	RHE5203ZA	SCREW	
105	1DM0018ZB	REEL TABLE ASS' Y		165	XTW2+8S	SCREW	
106	1DM0017ZB	REEL TABLE ASS' Y		166	XYC2+JF16	SCREW	
107	RML0069-1	LEVER		167	RHD26002	SCREW	
108	RDG5772ZC	GEAR		168	RJS777ZA	CONNECTOR(J951)	
109	RUB508ZB	LEVER					
110	RUB506ZB	LEVER				DECK 2 (R/P)	
111	1UB0088ZB	PINCH ROLLER ASS' Y		201	RXQ0007-2	HEAD ASS' Y	
111-1	RMBO310	SPRING		201-1	RHE5152ZB	SCREW	
112	1UB0087ZB	PINCH ROLLER ASS' Y		201-2	RUQ90ZC	SPRING	
112A	RUW140ZC	SPRING		202	RUA793ZF	CHASSIS	
114	RNL1ZD	ARM		203	RZLAR300	LEVER ASS' Y	
115	RUB503ZD	LEVER		203-1	RUW143ZA	SPRING	
116	RFKRAA0320	CHASSIS ASS' Y		204	1UB0089ZA	LEVER ASS' Y	
117	RUW142ZA	SPRING		204-1	RUW148ZA	LEVER	
118	RUD105ZA	SPRING		205	1DM0018ZB	REEL TABLE ASS' Y	
120	RUW139ZA	SPRING		206	1DM0017ZB	REEL TABLE ASS' Y	
121	RFKPAA0309	MOTOR ASS' Y		207	RML0069-1	LEVER	
122	1UE0015ZA	PLUNGER		208	RDG5772ZC	GEAR	
123	RUB428ZE	SHAFT		209	RUB508ZB	LEVER	
124	RUL1030YA	PLATE		210	RUB506ZB	LEVER	
125	RMD5014ZC	SPACER		211	1UB0088ZB	PINCH ROLLER ASS' Y	
126	RDG5927ZG	GEAR		211-1	RMBO310	SPRING	
127	1DW0037ZA	FLYWHEEL ASS' Y		212	1UB0087ZB	PINCH ROLLER ASS' Y	
127-1	RNW139ZA	WASHER		212-1	RUW140ZC	SPRING	
128	1DW0038ZB	FLYWHEEL ASS' Y		214	RNL1ZD	ARM	
128-1	RNW138ZA	WASHER		215	RUB503ZD	LEVER	
129	1DG0006ZB	GEAR		216	RFKRAA0320	CHASSIS ASS' Y	
130	RUB513ZD	LEVER		217	RUW142ZA	SPRING	
131	1UB0091ZA	LEVER		218	RUD105ZA	SPRING	
131-1	RUW146ZA	SPRING		220	RUW139ZA	SPRING	
132	1DR0011ZB	PULLEY ASS' Y		221	RFKPAA0309	MOTOR ASS' Y	
133	RDV90ZB	BELT		222	1UE0015ZA	PLUNGER ASS' Y	
134	RDG5769ZA	GEAR		223	RUB428ZE	SHAFT	
135	RUQ111ZB	SPRING		224	RUL1030YA	PLATE	
136	RUW145ZA	SPRING		225	RMD5014ZC	SPACER	
137	1UB0090ZA	ROD ASS' Y		226	RDG5927ZG	GEAR	
137-1	RUB512ZB	ROD		227	1DW0037ZB	FLYWHEEL ASS' Y	
138	RDG5773ZB	GEAR		227-1	RNW139ZA	WASHER	
139	RUQ112ZA	SPRING		228	1DW0038ZB	FLYWHEEL ASS' Y	
140	RUS609Z	SPRING		228A	RNW138ZA	WASHER	

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
229	1DG0006ZB	GEAR ASS' Y		118	RMRO334	MAGNET HOLDER	
230	RUB513ZD	LEVER		119	RXQ0123	DISK HOLDER	
231	1UB0091ZA	LEVER ASS' Y		120	RFKNLPG440-K	DRIVE RACK ASS' Y	
231-1	RUW146ZA	LEVER		121	RGQ0088-K	DISC TRAY	
232	1DR0011ZB	PULLEY ASS' Y		122	RHD20009-1	SCREW	
233	RDV90ZB	BELT		123	XTB3+25GFZ	SCREW	
234	RDG5769ZA	GEAR		124	XTN26+6G	SCREW	
235	RUQ111ZB	SPRING		125	XTN3+8JFZ	SCREW	
236	RUW145ZA	SPRING		126	RAE0111Z	TRAVERSE UNIT ASS' Y	
237	1UB0090ZA	ROD ASS' Y		126A	SHGD112	RUBBER(A)	
237-1	RUB512ZB	ROD		126B	SHGD113-1	RUBBER(B)	
238	RDG5773ZB	GEAR		126C	RDV0023	BELT	
239	RUQ112ZA	SPRING		126D	SNSD38	SCREW	
240	RUS609ZC	SPRING		127	RME0109	SPRING	
241	RUB514ZC	LEVER		128	RMS0123-1	PIN (A)	
242	RUW147ZA	SPRING		129	RMS0350	PIN (B)	
243	RUB515ZA	LEVER		130	RMRO533-K	TRAVERSE CHASSIS	
244	RUB509ZA	LEVER		131	XTV2+6G	SCREW	
245	RDV108ZA	BELT					
249	RMG0102-1	RUBBER					
250	RNL180ZB	LEVER					
251	REX0294	CABLE ASS' Y					
261	XTW2+6L	SCREW					
263	XTN26+7J	SCREW					
264	RHE5203ZA	SCREW					
265	XTW2+8S	SCREW					
266	XYC2+JF16	SCREW					
267	RHD26002	SCREW					
268	RJS10T7ZA	CONNECTOR(J971)					
		LOADING PARTS					
101	RFKJLPG440BK	CHASSIS ASS' Y					
101A	RDG0142	LOADING GEAR					
101B	RDG0193	LOADING GEAR					
101C	RDPO041	PULLEY					
102	REM0019	MOTOR ASS' Y					
103	RMA0339	HOLDER					
104	RME0063	LOCK LEVER SPRING					
105	RME0087	SPRING					
106	RMG0158	BELT					
107	RML0177	CONVERSION LEVER					
108	RML0178-1	LOCK LEVER					
109	RMM0059-1	SLIDE PLATE (2)					
110	RMM0079	SLIDE PLATE (1)					
111	XTN26+6G	SCREW					
112	XYN2+F6FZ	SCREW					
113	RDB0036	GUIDE HOLDER					
114	RHD20010	SCREW					
115	RMU0046	GUIDE SHAFT					
116	RHM245ZA	MAGNET					
117	RMA0327-1	DISK CLAMPER					

LOADING UNIT PARTS LOCATION

Note:

When changing mechanism parts, apply the specified grease to areas marked "XX" as shown in the drawing.

Ref No.	Part No.
①	SZZ0L30

